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**Serial Number: 10/530153**

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**PALM INTRANET**

## Inventor Information for 10/530153

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US D518094 S	20060328	Printer	D18/55		Nakayama; Tetsu et al.
US 7019659 B2	20060328	Network system, managing server, electrical apparatus, battery status managing method, battery diagnosis method, and program thereof	340/636.1	320/107; 702/182	Kobayashi; Masaki et al.
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US 6723389 B2	20040420	Process for producing coated cemented carbide excellent in peel strength	427/534	427/249.13; 427/249.4; 427/255.29; 427/255.394; 427/299; 427/307; 427/553; 427/560	Kobayashi; Masaki et al.
US 6721420 B1	20040413	Folding portable telephone apparatus	379/433.13	455/575.7	Kubo; Tetsuya et al.
US 6720220 B2	20040413	Method of fabricating semiconductor device	438/270	257/288; 257/328; 257/330; 257/341; 257/342; 257/E21.419; 257/E29.131; 257/E29.26; 438/212; 438/259; 438/268; 438/272	Numazawa; Sumito et al.
US 6719737 B2	20040413	Safety needle assembly	604/263	206/365; 604/110; 604/192; 604/199	Kobayashi; Masahiko
US 6716896 B2	20040406	Method for production of esterified product and apparatus therefor	524/5	524/2; 524/3; 524/4; 560/224	Hirata; Tsuyoshi et al.
US 6715369 B2	20040406	Hybrid pipette	73/864.16		Baba; Nobuyuki et al.
US 6714274 B2	20040330	Liquid crystal display apparatus and TFT panel	349/139	257/59; 257/E21.703; 257/E27.111; 257/E29.278; 257/E29.299;	Aoki; Masaru et al.



				349/46	
US 6713143 B2	20040330	Thermosetting low-dielectric resin composition and use thereof	428/40.1	428/447; 428/448; 428/450; 428/473.5; 428/606; 523/202; 523/209; 523/210; 523/212; 523/213; 526/258; 526/262; 526/263	Hashimoto; Takeshi et al.
US 6708796 B2	20040323	Electric power steering apparatus	180/444	74/427	Kinme; Shigetaka et al.
US 6707633 B2	20040316	Magnetic disk device including coarse and micro actuators	360/75	360/77.02; 360/78.05	Okuyama; Atsushi et al.
US 6707180 B2	20040316	Cooling method and structure for a rotation object	310/61	310/52; 310/57; 310/59	Hattori; Noboru et al.
US 6695819 B2	20040224	Safety needle assembly	604/192	604/263	Kobayashi; Masahiko
US 6695487 B2	20040224	Conversion adapter for ferrules having different diameters and method for production thereof	385/70		Kobayashi; Masayuki et al.
US 6691911 B2	20040217	Method for hermetic sealing of electronic parts	228/124.6	228/245; 257/E21.499; 257/E23.193; 438/106	Iwai; Shozaburo et al.
US 6686597 B2	20040203	Substrate rotating device, and manufacturing method and apparatus of recording medium master	250/492.2	720/658	Kumasaka; Osamu et al.
US 6686048 B1	20040203	Composite carbonaceous heat insulator	428/408	428/218; 428/323; 428/367; 428/402; 428/403; 428/913	Arimoto; Yoshihiro et al.
US 6683741 B1	20040127	Magnetic tape device with mechanism for controlling threading operation	360/73.04	242/332.1; 360/75	Kobayashi; Masayoshi et al.

US 6682220 B2	20040127	Lightweight bearing and wave gear drive	384/447	384/492; 384/537; 384/569	Kobayashi; Masaru
US 6681049 B1	20040120	Image encoding method and apparatus	382/237	358/3.06	Kobayashi; Masaaki et al.
US 6680734 B2	20040120	Game system, imaging method in the game system, and computer readable storage medium having game program stored therein	345/422		Kobayashi; Masayuki
US 6680133 B2	20040120	Magnetic recording medium and sputtering target	428/831.1	428/900	Sakawaki; Akira et al.
US 6677935 B2	20040113	Position pointing device, program, and pointed position detecting method	345/181	345/156; 345/157; 463/36; 463/37; 463/51	Kobayashi; Masatoshi et al.
US 6676865 B2	20040113	Extrusion molding provided with insert and method of producing the same	264/45.9	264/171.13; 264/171.17; 264/46.4; 264/46.5	Kobayashi; Masao et al.
US 6672964 B2	20040106	Video game with readily distinguishable characters displaying the character's line of sight	463/43	345/419; 345/427; 463/1; 463/8; 463/9	Kobayashi; Masaki
US 6672181 B2	20040106	Lubrication mechanism for a wave gear device	74/640		Kobayashi; Masaru
US 6663015 B2	20031216	Piezoelectric device for injector	239/102.1	239/102.2; 239/533.1; 239/533.2; 239/585.1	Yamada; Yutaka et al.
US 6662769 B2	20031216	Valve timing control device	123/90.17	123/90.15; 123/90.16; 123/90.18	Eguchi; Katsuhiko et al.
US 6661798 B2	20031209	Digital home information integrating system	370/400		Sano; Reiji et al.
US 6659188 B2	20031209	Hand-held edger	172/15	172/17	Takemoto; Kazuhiko et al.
US 6658853 B2	20031209	Seal structure for combustor liner	60/753	60/800; 60/804	Matsuda; Yoshihiro et al.

US 6657768 B2	20031202	Electrochromic device	359/265	252/582; 252/583; 252/586; 359/270; 359/273; 428/411.1; 428/425.9; 428/457; 428/469; 428/500; 428/689; 428/702; 428/704	Nishikitani; Yoshinori et al.
US 6655219 B2	20031202	Load cell and roll-over alarming device for a crane	73/795	73/861.47	Saitoh; Fumihiro et al.
US 6651631 B2	20031125	Fuel vapor emission control device for an engine	123/520		Hayashi; Takane et al.
US 6650792 B1	20031118	Image processor	382/298	345/611; 345/618; 348/606; 348/625; 382/260; 382/266; 382/295; 382/299	Aida; Toru et al.
US 6650611 B1	20031118	Master disc manufacturing apparatus	369/101	369/126; 369/44.27	Kamimura; Kenji et al.
US 6647827 B2	20031118	Lightweight wave gear drive	74/640	29/893.3	Kobayashi; Masaru
US 6646389 B2	20031111	Discharge lamp ignition device, equipment and image forming apparatus	315/209R	315/224; 315/290	Kobayashi; Masami
US 6638899 B1	20031028	Photoresist stripping solution and a method of stripping photoresists with the same	510/176	252/79.1; 257/E21.313; 438/770; 438/773; 510/175; 510/177	Wakiya; Kazumasa et al.
US 6638670 B1	20031028	Exposure mask and exposure method using the same	430/22	430/319; 430/320; 430/5	Sato; Toshihiko et al.
US	20031028	Carbon-fibers and a method of	428/367	428/364;	Kobayashi;

6638615 B2		producing them		428/375; 428/408	Masanobu et al.
US 6633749 B2	20031014	Folding mobile wireless device	455/90.3	16/355; 379/433.13; 455/575.3	Kubo; Tetsuya et al.
US 6632076 B2	20031014	Oscillation-type compressor	417/417	417/415	Morita; Ichiro et al.
US 6624982 B2	20030923	Magnetic disk recording apparatus	360/294.4	360/294.6; 360/78.12	Masuda; Hiromitsu et al.
US 6622593 B2	20030923	Lightweight wave gear device	74/640		Kobayashi; Masaru et al.
US 6619035 B2	20030916	Exhaust emission control device of internal combustion engine	60/286	60/285; 60/295; 60/301	Matsuoka; Hiroki et al.
US 6617021 B2	20030909	Adhesive composition and adhesive sheet for semiconductor devices	428/355EP	257/E21.505; 428/41.8; 428/413; 428/447; 428/901; 525/101; 525/106; 525/476; 525/479; 528/27; 528/33; 528/38	Kobayashi; Masaharu et al.
US 6616007 B2	20030909	Fuel tank	220/562	220/723	Ishikawa; Takashi et al.
US 6615689 B2	20030909	Non-lubricated wave gear device	74/640		Kobayashi; Masaru
US 6614846 B1	20030902	Method and apparatus for transmitting, encoding and decoding video signal and recording/reproducing method of optical disc	375/240.16	348/416.1; 382/236	Fujiwara; Yuji et al.
US 6612080 B2	20030902	Window molding assembly	52/204.591		Adachi; Takao et al.
US 6611620 B1	20030826	Reversible coding method, reversible coding apparatus, and memory medium used	382/166	382/238; 382/251	Kobayashi; Masaaki et al.

		therein			
US 6611557 B1	20030826	Serial data receiver	375/225	375/253	Kobayashi; Masaki
US 6609180 B2	20030819	Fiber channel connection storage controller	711/152	711/163; 711/164; 711/203; 711/204; 711/205; 711/206; 711/207	Sanada; Akemi et al.
US 6607569 B1	20030819	Method of estimating reaction product in coal liquefying reaction	44/903	208/400; 208/401; 208/408	Namiki; Yasuki et al.
US 6606183 B2	20030812	Method for producing a cell for an electrochromic mirror and an electrochromic mirror	359/265	359/270; 359/272; 359/273	Ikai; Keizo et al.
US 6590192 B2	20030708	Microwave oven with temperature-dependent automatic stop	219/710	219/711; 219/748; 219/749; 374/149; 99/325	Taino; Kazuo et al.
US 6589602 B2	20030708	Highly adhesive surface-coated cemented carbide and method for producing the same	427/404	205/219; 205/238; 205/261; 427/248.1; 427/255.28; 427/419.1; 427/419.7	Kobayashi; Masaki et al.
US 6584279 B2	20030624	Heater sealed with carbon wire heating element	392/407	219/444.1; 338/208; 392/497; 423/447.7	Seko; Sunao et al.
US 6583947 B1	20030624	Disk array unit	360/69	360/73.03; 711/114; 713/323; 713/324	Hakamata; Kazuo et al.
US 6575716 B1	20030610	Linear compressor	417/417	92/127; 92/DIG.2	Morita; Ichiro et al.
US 6575552 B2	20030610	Printer head	347/20	427/123; 427/124; 427/331; 427/404; 427/523; 427/537;	Watanabe; Seiichi et al.

				427/576	
US D475256 S	20030603	Cutter for edge trimmer	D8/8		Yamane; Yoshiro et al.
US 6573960 B2	20030603	Liquid crystal device having opening in reflection film outside pixel area for evaluating color filter and light shield, its method, and apparatus	349/113	324/770; 349/106; 349/110; 349/187	Kobayashi; Masaki et al.
US 6568747 B2	20030527	Automotive floor structure	296/204	296/203.03; 296/203.04; 296/209	Kobayashi; Masato
US 6563097 B2	20030513	Microwave oven with food search and localized heating	219/711	219/748; 219/749; 219/756; 374/149	Taino; Kazuo et al.
US 6559027 B2	20030506	Semiconductor device and process for producing the sme	438/424	438/400; 438/435; 438/437	Ishitsuka; Norio et al.
US 6558793 B2	20030506	Substrate fiber of a dry friction material and manufacturing method thereof, and a dry friction material	428/364	428/395; 428/399	Odani; Naoki et al.
US 6556530 B2	20030429	Compatible disk device	720/616	720/711	Naruki; Kenichi et al.
US 6555344 B1	20030429	Polynucleotides encoding SRE B2 receptor	435/69.1	435/252.3; 435/320.1; 435/325; 435/35; 435/7.21; 530/350; 536/23.5	Matsumoto; Mitsuyuki et al.
US 6553823 B2	20030429	Model for wind tunnel test	73/147	73/865.9	Omotani; Hideo et al.
US 6550567 B2	20030422	Electric power steering apparatus	180/444	384/536; 74/388PS	Murakami; Tetsuya et al.
US 6546227 B2	20030408	Continuous-medium-box feeding device having a stand-by table capable of feeding a continuous-medium box on a set table	399/384	271/9.1; 399/391	Miyakoshi; Kunio et al.
US 6545083	20030408	Cement additive	524/556	524/4; 524/5; 524/558;	Hirata; Tsuyoshi et al.

B1				526/240; 526/318.41	
US 6544717 B2	20030408	Undercoating composition for photolithographic resist	430/271.1	430/270.1; 430/927	Hirosaki; Takako et al.
US 6544712 B1	20030408	Negative working resist composition	430/170	430/270.1; 430/905	Tachikawa; Toshikazu et al.
US 6538792 B1	20030325	Electrochromic device	359/265	252/582; 252/586; 359/270; 359/272; 359/273; 428/411.1; 428/500; 428/515; 428/689; 428/702; 428/704	Kobayashi; Masaaki et al.
US 6535964 B2	20030318	Fiber channel connection storage controller	711/152	711/111; 711/112; 711/147; 711/163; 711/164	Sanada; Akemi et al.
US 6533002 B1	20030318	Fuel tank system	141/302	141/198; 141/44; 141/46; 141/59; 141/82	Kobayashi; Masahide et al.
US 6532269 B2	20030311	Data transmitter, data receiver, processor, equipment managing device, equipment managing system, data transmitting-receiving system, and medium	375/265	348/467; 348/484; 348/554; 375/358; 725/115; 725/116; 725/139; 725/143	Yamada; Masazumi et al.
US 6532098 B1	20030311	Electrochromic element	359/265	252/582; 252/586; 359/270; 359/272; 359/273; 428/411.1; 428/500; 428/515; 428/689;	Kobayashi; Masaaki et al.

				428/702; 428/704	
US 6531433 B1	20030311	Non-aqueous scrub comprising water soluble carbohydrates	510/130	424/70.1; 510/119; 510/139; 510/470; 510/474	Kobayashi; Masaru et al.
US 6530756 B2	20030311	Oscillation-type compressor	417/417	310/12; 310/17	Morita; Ichiro et al.
US 6523096 B2	20030218	Apparatus for and method of accessing a storage region across a network	711/152	710/300; 710/305; 711/163; 711/203; 711/204; 711/205; 711/206; 711/207	Sanada; Akemi et al.
US 6522463 B1	20030218	Infrared absorption filter	359/350	252/587; 359/359; 359/360	Shimomura; Tetsuo et al.
US 6519072 B2	20030211	Electrochromic device	359/272	252/583; 359/273; 544/347; 546/257	Nishikitani; Yoshinori et al.
US 6515436 B2	20030204	Discharge lamp lighting apparatus and lighting appliance employing same	315/307	315/219; 315/224	Kobayashi; Masami et al.
US 6512265 B2	20030128	Method of fabricating semiconductor device	257/330	257/288; 257/328; 257/341; 257/342; 257/E21.419; 257/E29.131; 257/E29.26; 438/212; 438/268; 438/270	Numazawa; Sumito et al.
US 6511602 B1	20030128	Apparatus and method for treating water	210/636	210/321.69; 210/650; 261/124	Miyashita; Satoshi et al.
US 6509119 B1	20030121	Carbon electrode material for a vanadium-based redox-flow battery	429/231.8	423/445R; 429/105; 429/233	Kobayashi; Masaru et al.
US 6507896	20030114	Protocol for use in accessing a storage region across a network	711/152	711/111; 711/112;	Sanada; Akemi et al.



B2				711/114; 711/153; 711/164	
US 6506122 B2	20030114	Constant velocity universal joint	464/145	464/906	Nakagawa; Toru et al.
US 6506121 B2	20030114	Cage for constant-velocity joint and method for manufacturing the same	464/145	148/909; 464/143; 464/906	Kobayashi; Masazumi et al.
US 6497044 B2	20021224	Cutting blade cover for brush cutter	30/286	150/154; 206/349	Yamane; Yoshiro et al.
US 6495365 B1	20021217	Hematopoietic stem cell proliferating agents	435/387	435/372; 514/2; 514/21; 530/351	Saito; Yoshimasa et al.
US D466920 S	20021210	Printer	D18/50		Kawahara; Manabu et al.
US 6493167 B2	20021210	Magnetic tape unit	360/72.3		Kobayashi; Masayoshi et al.
US 6492030 B1	20021210	Thermoplastic resin composition having low permittivity, prepreg, laminated plate and laminated material for circuit using the same	428/447	428/448; 428/450; 428/473.5; 525/464; 526/262; 526/347.1; 528/26; 528/310; 528/322	Hashimoto; Takeshi et al.
US D466539 S	20021203	Digital camera	D16/202	D16/218	Suzuki; Wataru et al.
US 6487777 B1	20021203	Cutting blade cover	30/162	224/232; 30/151	Yamane; Yoshiro et al.
US 6486260 B1	20021126	Cement additive, cement composition and polycarboxylic acid polymer	525/327.7	525/339; 525/384	Yuasa; Tsutomu et al.
US 6484815 B1	20021126	Impact generator	173/205	173/114; 173/122; 173/171	Yamane; Yoshiro et al.
US 6484245 B1	20021119	Apparatus for and method of accessing a storage region across a network	711/164	711/111; 711/152; 711/163	Sanada; Akemi et al.
US	20021119	Disk drives	360/78.04	360/78.05	Kobayashi;

6483659 B1					Masahito et al.
US 6483227 B2	20021119	Piezoelectric element for injector	310/328		Murai; Atsushi et al.
US 6483224 B1	20021119	Surface acoustic wave device and method of producing the same	310/313A	310/313R; 310/363	Kobayashi; Masato et al.
US 6481509 B1	20021119	Impact generator	173/212	173/205; 173/94	Yamane; Yoshiro et al.
US D465236 S	20021105	Printer	D18/50		Fukasawa; Naoto et al.
US 6467567 B2	20021022	Power steering apparatus	180/444	180/428	Kobayashi; Masanori et al.
US 6462464 B2	20021008	Stacked piezoelectric device and method of fabrication thereof	310/366	310/328	Mitarai; Shinya et al.
US 6456337 B1	20020924	Moving image correcting circuit for display device	348/701	348/615; 348/792; 348/793	Kobayashi; Masayuki et al.
US 6453887 B1	20020924	Fuel vapor emission control device for an engine	123/520	123/357	Hayashi; Takane et al.
US 6452347 B1	20020917	Method and apparatus for deflection	315/371	315/387; 315/408	Yamate; Kazunori et al.
US 6451238 B1	20020917	Process for producing intake member of resin, and intake member of resin	264/250	264/259; 264/266; 264/271.1; 264/279; 264/327; 264/328.14; 264/328.16; 264/328.8	Suzuki; Kenichi et al.
US 6450684 B2	20020917	Radiographic apparatus, radiographic table and radiographic system	378/177	378/181; 378/67	Kobayashi; Masaaki
US 6447849 B1	20020910	Method for processing the surface of an insulating article	427/525	427/123; 427/124; 427/331; 427/404; 427/537; 427/576	Watanabe; Seiichi et al.

US 6447679 B1	20020910	Hollow fiber membrane	210/500.23	210/490; 210/500.36; 95/45; 96/10; 96/11; 96/12; 96/6	Watari; Kenji et al.
US 6441406 B1	20020827	Semiconductor device	257/119	257/124; 257/E29.028; 257/E29.04; 257/E29.067; 257/E29.201; 438/133	Nakanishi; Hidetoshi et al.
US 6440119 B1	20020827	Indwelling catheter assembly	604/506	604/500	Nakada; Tsuneo et al.
US 6437901 B1	20020820	Electrochromic device	359/267	252/586; 359/265; 359/268; 359/272; 359/273; 359/274	Kobayashi; Masaaki et al.
US 6437275 B1	20020820	Vacuum circuit-breaker, vacuum bulb for use therein, and electrodes thereof	218/123	218/118; 218/130	Kikuchi; Shigeru et al.
US 6432790 B1	20020813	Method of manufacturing photomask, photomask, and method of manufacturing semiconductor integrated circuit device	438/377	257/E21.575; 257/E21.641; 438/669	Okamoto; Yoshihiko et al.
US 6431024 B1	20020813	Backpack-type working machine	74/519	123/2; 15/405; 403/92; 74/522.5; 74/526	Yuasa; Tsuneyoshi et al.
US 6430145 B1	20020806	Disk supporting device	720/707		Morimoto; Takao et al.
US 6425670 B1	20020730	Colored anti-fog mirror	359/507	359/584; 359/585; 359/586; 359/588; 359/589; 359/603; 359/883	Komatsu; Toru et al.
US D460668 S	20020723	Edger for lawn	D8/8		Yamane; Yoshiro et al.
US	20020723	System for recording and	360/72.1	360/18;	Yanagawa;

6424482 B1		reproducing data having scheme for minimizing variation in record track width when recording at different data rates		360/48	Yoshifumi et al.
US 6421162 B2	20020716	Method for producing a cell for an electrochromic mirror and an electrochromic mirror	359/266	359/265	Ikai; Keizo et al.
US 6420095 B1	20020716	Manufacture of semiconductor device using A-C anti-reflection coating	430/313	216/58; 430/330	Kawamura; Eiichi et al.
US 6417760 B1	20020709	Maintenance/inspection support apparatus and entry/exit management apparatus	340/5.3	235/382; 235/382.5; 340/10.41; 340/10.51; 340/5.2; 340/5.23; 340/5.26; 340/5.5; 340/5.54; 340/5.6; 340/5.66; 700/80; 702/182	Mabuchi; Toshiaki et al.
US 6416930 B2	20020709	Composition for lithographic anti-reflection coating, and resist laminate using the same	430/273.1	430/271.1	Wakiya; Kazumasa et al.
US 6416766 B1	20020709	Slurry composition for cosmetic product and method of use	424/401	424/59; 424/63; 424/69; 424/705; 428/403	Kobayashi; Masaru et al.
US 6415763 B1	20020709	Device and method for controlling fuel injection amount of internal combustion engine	123/326	123/493; 123/682	Kobayashi; Masayuki
US 6410959 B2	20020625	Method of fabricating semiconductor device	257/330	257/341; 257/342; 257/E21.419; 257/E29.131; 257/E29.26; 438/212; 438/268; 438/270	Numazawa; Sumito et al.
US 6407876	20020618	Magnetic disk apparatus having an accelerometer for detecting	360/75	360/77.02; 360/78.04;	Yamaguchi; Takashi et al.

B1		acceleration in the positioning direction of the magnetic head		360/78.06	
US 6402260 B1	20020611	Vehicle anti-lock brake control system	303/20	303/11; 303/116.4; 318/101; 318/55; 318/599; 60/427; 701/71	Kobayashi; Masashi et al.
US 6392982 B1	20020521	Corner part reinforcing device of disc device chassis	720/692	360/97.02	Kobayashi; Masaki et al.
US 6392376 B1	20020521	Electric vehicle motor controller with temperature variation compensation	318/471	318/432; 318/472; 318/473	Kobayashi; Masaru et al.
US 6389893 B1	20020521	Fuel amount detector	73/305	73/290B	Kobayashi; Masahide
US 6388038 B1	20020514	Method for producing polycarboxylic acid for cement dispersant and cement composition	526/320	525/329.7; 525/330.1; 525/330.3; 525/330.6; 526/328; 526/328.5; 526/333; 526/932	Hirata; Tsuyoshi et al.
US 6379775 B1	20020430	Magnetic recording medium and method of manufacturing the same	428/141	428/432; 428/433; 428/826; 428/833.3; 428/900; 65/33.1	Kobayashi; Masato
US 6379111 B1	20020430	High volume ventilation fan with noise attenuation for personal computer	415/119	416/203; 416/229R	Katoh; Katsutoshi et al.
US 6376581 B1	20020423	Cement dispersant, method for production thereof, and cement composition using the dispersant	524/5		Tanaka; Yoshio et al.
US 6376364 B1	20020423	Method of fabricating semiconductor device	438/637	257/E21.252; 257/E21.256; 257/E21.309; 257/E21.579; 257/E21.582; 438/687; 438/700;	Kinoshita; Takao et al.

				438/725; 438/754; 438/906	
US D455410 S	20020409	Liquid crystal television	D14/126		Maruyama; Kaname et al.
US 6369043 B1	20020409	Sodium ion absorption inhibitors, sodium ion excretion accelerators, and preventive and therapeutic agents for diseases resulting from excessive intake of common salt	514/54	424/439; 424/485; 424/500; 424/9.1; 424/9.35; 514/1	Sato; Takaya et al.
US 6368712 B1	20020409	Carbon fibers and process for the production thereof	428/367	428/364; 428/375; 428/408	Kobayashi; Masanobu et al.
US 6362364 B1	20020326	Method for production of esterified product and apparatus therefor	560/224	524/5; 525/404; 560/205	Hirata; Tsuyoshi et al.
US 6361667 B1	20020326	Ionization sputtering apparatus	204/298.11	204/298.06; 204/298.16	Kobayashi; Masahiko et al.
US 6357263 B1	20020319	Method for bending a glass sheet, a ring mold for bending a glass sheet, and apparatus using the ring mold	65/102	65/106; 65/107; 65/285; 65/287; 65/290; 65/291; 65/90; 65/93; 65/94	Yajima; Toshimi et al.
US 6354818 B2	20020312	Oscillation-type compressor	417/419	417/415; 417/416; 62/6	Morita; Ichiro et al.
US 6352058 B1	20020305	Air scavenging two-stroke cycle engine	123/73R	123/65R	Yuasa; Tsuneyoshi et al.
US 6348930 B1	20020219	Motion vector processing circuit	345/672	345/589; 345/690	Kobayashi; Masayuki et al.
US 6346598 B1	20020212	Thermosetting low-dielectric resin composition and use thereof	528/322	525/464; 526/262; 526/347.1; 528/26; 528/310	Hashimoto; Takeshi et al.
US D453352 S	20020205	Printer	D18/55		Yamano; Hirokazu et al.
US	20020205	Drive method and drive circuit	345/60	345/88	Denda; Hayato et

6344839 B1		of display device			al.
US 6341482 B1	20020129	Cutting blade for reaper	56/296	173/15	Yamane; Yoshiro et al.
US 6339383 B1	20020115	Traffic signal control apparatus optimizing signal control parameter by rolling horizon scheme	340/907	340/909; 340/910; 340/917; 701/117	Kobayashi; Masafumi et al.
US 6338946 B1	20020115	Method for assaying immunosuppressant	435/7.1	435/7.21; 435/7.8; 435/7.92; 514/11; 514/15; 530/402	Kobayashi; Masakazu et al.
US 6338237 B1	20020115	Portable reaper	56/328.1	56/296	Yamane; Yoshiro et al.
US 6336266 B1	20020108	Electronic parts insertion head and electronic parts insertion device	29/741	29/564.6; 29/832; 29/834; 29/837	Kobayashi; Masayoshi et al.
US 6335845 B1	20020101	Magnetic disk apparatus having an accelerometer for detecting acceleration in the positioning direction of the magnetic head	360/75	360/77.02; 360/78.04	Yamaguchi; Takashi et al.
US 6335735 B1	20020101	Dynamic image correction method and dynamic image correction circuit for display device	345/589	345/590; 345/592; 345/618	Denda; Hayato et al.
US 6325700 B1	20011204	Eyeglass-frame-shape measuring device and eyeglass- lens processing apparatus having the same	451/8	451/384; 451/42; 451/44	Mizuno; Toshiaki et al.
US 6319815 B1	20011120	Electric wiring forming method with use of embedding material	438/624	257/E21.576; 257/E21.579; 438/623; 438/634; 438/638; 438/737; 438/738; 438/780; 438/781	Iguchi; Etsuko et al.
US 6318842 B1	20011120	Liquid jet printing head and liquid jet printing apparatus provided with said liquid jet	347/45	347/47	Shimomura; Akihiko et al.

		printing head			
US 6315827 B1	20011113	Apparatus for producing single crystal	117/208	117/13; 117/218; 117/35; 117/911; 117/932	Kurosaka; Shoei et al.
US 6315199 B1	20011113	Self-service check-out device with checking of articles before enabling sales process of articles	235/383	235/385	Ito; Naoki et al.
US 6310744 B1	20011030	Magnetic tape apparatus	360/96.1		Kobayashi; Masayoshi et al.
US 6307231 B1	20011023	Method of fabricating semiconductor device	257/330	257/341; 257/342; 257/E21.419; 257/E29.131; 257/E29.26; 438/212; 438/268; 438/270	Numazawa; Sumito et al.
US 6306673 B1	20011023	Thermoelectric conversion module and method of manufacturing the same	438/22	136/201; 136/203	Imanishi; Yuichiro et al.
US 6306190 B1	20011023	Secondary air supply device	55/385.3	123/198E; 55/484; 55/DIG.28; 60/282; 60/304	Tsuruta; Yuichiro et al.
US D449331 S	20011016	Projector	D16/230	D16/225	Kawahara; Manabu et al.
US D449067 S	20011009	Inkjet printer	D18/55		Kobayashi; Masahiko et al.
US 6297656 B1	20011002	Probe-test method and prober	324/758	324/158.1; 324/760	Kobayashi; Masahito et al.
US 6297174 B1	20011002	Method for the formation of a planarizing coating film on substrate surface	438/781	257/E21.259; 427/240; 427/385.5; 438/763; 438/780	Iguchi; Etsuko et al.
US 6294015 B1	20010925	Cement admixture and cement composition	106/802	106/724; 106/727; 106/728;	Yamashita; Akihiko et al.



				106/808; 106/810; 106/823	
US 6293843 B1	20010925	Method for producing an electrochromic device	445/25	445/24	Toya; Tomohiro et al.
US D448043 S	20010918	Inkjet printer	D18/50		Kawahara; Manabu et al.
US 6291142 B1	20010918	Photoresist stripping liquid compositions and a method of stripping photoresists using the same	430/331	430/329; 510/176	Tanabe; Masahito et al.
US 6288735 B1	20010911	Color image recording method, color image recording apparatus, and color image recording controlling method	347/172		Naramoto; Shoji et al.
US 6287429 B1	20010911	Magnetic recording medium having an improved magnetic characteristic	204/192.2	204/192.16	Moroishi; Keiji et al.
US 6285629 B1	20010904	Method for preventing deterioration of submarine structure and ultrasonic vibration unit used for the method	367/139		Shigihara; Takanori et al.
US 6285486 B1	20010904	Electrochromic mirror and electrochromic devices	359/265	359/268; 359/270	Kobayashi; Masaaki et al.
US 6285116 B1	20010904	Piezoelectric element	310/328		Murai; Atsushi et al.
US 6284428 B1	20010904	Undercoating composition for photolithographic resist	430/270.1	430/927	Hirosaki; Takako et al.
US 6280837 B1	20010828	Resin molded article	428/323	264/108; 264/328.12; 264/328.18; 428/31; 428/324	Mitzutani; Haruyasu et al.
US 6280627 B1	20010828	Liquid chromatograph with fraction collector	210/656	210/659; 73/61.52; 73/61.56	Kobayashi; Masato
US 6280006 B1	20010828	Brake hydraulic control device for use in vehicle	303/139	303/10; 303/116.1	Kobayashi; Masashi et al.
US	20010807	Method of modifying a surface	427/496	427/506;	Tonosaki;

6270857 B1		of an insulator		427/524; 427/525; 427/527; 427/551; 427/596	Minehiro et al.
US D445823 S	20010731	Inkjet printer	D18/50		Kawahara; Manabu et al.
US 6269210 B1	20010731	Optical fiber	385/114	385/110	Yagi; Kenji et al.
US 6268986 B1	20010731	Motor control unit	361/24	361/25	Kobayashi; Masaru et al.
US 6268108 B1	20010731	Composition for forming antireflective coating film and method for forming resist pattern using same	430/271.1	430/325; 430/327	Iguchi; Etsuko et al.
US 6265495 B1	20010724	Method for production of esterified product	525/404	106/819; 525/451; 526/932; 560/189; 560/224	Hirata; Tsuyoshi et al.
US 6261745 B1	20010717	Post-ashing treating liquid compositions and a process for treatment therewith	430/331	257/E21.252; 257/E21.313; 430/325; 510/176	Tanabe; Masahito et al.
US 6259051 B1	20010710	Vacuum switch and a vacuum switchgear using the same	218/120	218/118; 218/140; 218/154	Tanimizu; Toru et al.
US 6258162 B1	20010710	Cement composition	106/810	106/724; 106/727; 106/728; 106/802; 106/808; 106/823; 524/5	Kawakami; Hirokatsu et al.
US 6256466 B1	20010703	Developing device capable of preventing toner particles from being accumulated at a front end of a cover member	399/103		Ota; Katsuya et al.
US 6256187 B1	20010703	Electrostatic chuck device	361/234	279/128; 429/208	Matsunaga; Tadao et al.
US RE37244	20010626	Insulated type switching device	218/118	218/140	Tanimizu; Tooru et al.

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US 6251411 B1	20010626	Composition for hydrophobic cosmetic products	424/401	424/69; 514/844	Kishida; Shigeru et al.
US 6250724 B1	20010626	Brake hydraulic controller	303/119.2	303/116.4	Shimizu; Shuichi et al.
US 6248383 B1	20010619	Agent for improving water binding capacity of meat and method of making	426/332	426/32; 426/55; 426/56; 426/574; 426/59; 426/641; 426/652; 426/656; 426/92	Yoshikawa; Kuniaki et al.
US 6248223 B1	20010619	Sputtering apparatus	204/298.19	204/192.12; 204/298.07; 204/298.12; 204/298.15; 257/E21.585	Kobayashi; Masahiko
US 6246457 B1	20010612	Liquid crystal display device in which copper layer filling between L-shape color filters and method for making the same	349/106	349/110; 349/111; 430/7	Kobayashi; Masakazu
US 6245147 B1	20010612	Thermal processing jig for use in manufacturing semiconductor devices and method of manufacturing the same	118/500	118/715; 118/724; 118/725; 118/728; 206/710; 206/711; 206/832; 206/833	Kobayashi; Masanori
US 6242323 B1	20010605	Semiconductor device and process for producing the same	438/435	438/424; 438/436; 438/437	Ishitsuka; Norio et al.
US 6236028 B1	20010522	Gas sensor with ceramic heater	219/543	219/544; 219/552	Shirai; Makoto et al.
US 6235981 B1	20010522	P-type thermoelectric converting substance and method of manufacturing the same	136/201	136/236.1; 136/239; 136/240	Miyoshi; Makoto et al.
US D442218	20010515	Inkjet printer	D18/55		Kobayashi; Masahiko et al.

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US D441783 S	20010508	Inkjet printer	D18/55		Kawahara; Manabu et al.
US 6229250 B1	20010508	Metallic thin film and method of manufacturing the same, and surface acoustic wave device using the method thereof	310/364	310/313R	Nakanishi; Hidefumi et al.
US 6227598 B1	20010508	Thermoplastic olefin elastomer molded article	296/93	428/119; 428/120; 49/475.1	Ichioka; Tetsumi et al.
US D441395 S	20010501	Inkjet printer	D18/55		Kawahara; Manabu et al.
US 6225034 B1	20010501	Photoresist stripping liquid compositions and a method of stripping photoresists using the same	430/329	134/1.3	Tanabe; Masahito et al.
US 6225030 B1	20010501	Post-ashing treating method for substrates	430/313	134/1; 430/329	Tanabe; Masahito et al.
US 6224398 B1	20010501	IC card connector and IC card connector mounting structure	439/79	439/64; 439/83	Uchiyama; Atsushi et al.
US D441012 S	20010424	Inkjet printer	D18/55		Kawahara; Manabu et al.
US D440556 S	20010417	Speaker box	D14/215		Kobayashi; Masaharu et al.
US 6218087 B1	20010417	Photoresist stripping liquid composition and a method of stripping photoresists using the same	430/331		Tanabe; Masahito et al.
US 6214226 B1	20010410	Hollow fiber membrane module, hollow fiber membrane module unit which utilizes the module, and purification tank with the module unit installed therein	210/500.23	210/232; 210/321.8; 210/321.89; 264/DIG.48	Kobayashi; Masumi et al.
US 6213677 B1	20010410	Joint mechanism for mowing machine	403/329	30/276; 403/225; 403/372; 56/12.7	Yamane; Yoshiro et al.
US D439814	20010403	Cutter blade for reaper machine	D8/8	D8/1	Yamane; Yoshiro et al.

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US 6212046 B1	20010403	Arm assembly for a disk drive device and a method for fabricating the same	360/264.2		Albrecht; David William et al.
US 6208452 B1	20010327	Electrochromic device	359/270	359/265; 359/268	Nishikitani; Yoshinori et al.
US D439272 S	20010320	Ink-jet printer with scanner	D18/50	D14/422	Kobayashi; Masahiko et al.
US 6205398 B1	20010320	Apparatus and method for navigation and medium for providing the method	701/209	211/23; 73/178R	Kobayashi; Masahiro et al.
US 6203292 B1	20010320	Oscillation-type compressor	417/417	417/415	Morita; Ichiro et al.
US 6203154 B1	20010320	Electrochromic element	359/270	359/265; 359/267; 359/268	Kobayashi; Masaaki et al.
US 6200432 B1	20010313	Method of handling a substrate after sputtering and sputtering apparatus	204/192.12	204/192.15; 204/192.17; 427/398.1; 427/398.2; 427/444; 438/584; 438/660; 438/685; 438/688	Kobayashi; Masahiko et al.
US 6194693 B1	20010227	Gas sensor with ceramic heater	219/552	219/543; 219/548	Shirai; Makoto et al.
US 6190481 B1	20010220	Pressure vessel and process for producing the same	156/175	156/153; 156/173; 156/185; 156/188	Iida; Yasushi et al.
US 6188972 B1	20010213	Integrating device and integrating method	702/165	340/438; 701/35; 702/149	Kobayashi; Masakazu et al.
US 6187841 B1	20010213	Cement composition using the dispersant of (meth)acrylic esters, (meth)acrylic acids polymers	524/5	524/3	Tanaka; Yoshio et al.
US 6186673 B1	20010213	Package for optical semiconductor module	385/88	257/684; 257/692	Iida; Masanori et al.
US	20010130	Monkey wrench	D8/22		Kobayashi;

D436813 S					Masatoshi et al.
US 6181718 B1	20010130	Electronically cooled semiconductor laser module with modified ground line inductance	372/34	372/38.08; 372/38.1; 385/92	Kobayashi; Masaki et al.
US 6174980 B1	20010116	Cement dispersant, method for producing polycarboxylic acid for cement dispersant and cement composition	526/320	524/4; 524/5; 526/321; 526/322; 526/323; 526/328.5; 526/932	Hirata; Tsuyoshi et al.
US 6172427 B1	20010109	Electric energy supply system for vehicle	290/40B	290/4A; 290/4C; 290/4R; 290/40A; 290/40C; 290/40F	Shinohara; Kazuhiko et al.
US 6171393 B1	20010109	Seed crystal and method of manufacturing single crystal	117/35	117/208; 117/902	Kurosaka; Shoei et al.
US 6170323 B1	20010109	Self-diagnosis apparatus for vehicle meters and method starting a self-diagnosis mode for vehicle meters	73/118.1	701/31	Enomoto; Akihiro et al.
US 6168996 B1	20010102	Method of fabricating semiconductor device	438/270	257/330; 257/E21.419; 257/E29.131; 257/E29.26; 438/212; 438/268	Numazawa; Sumito et al.
US 6166888 A	20001226	Low noise flexible printed circuit cable for a disk drive carriage unit	360/264.2		Tsuda; Shingo et al.
US 6166112 A	20001226	Cement admixture and cement composition	524/5	526/318.41	Hirata; Tsuyoshi et al.
US 6165262 A	20001226	Cement additive and cement composition using same	106/802	106/724; 106/823; 524/4	Kono; Katsuyuki et al.
US 6162526 A	20001219	Magnetic recording medium having a crystalized glass substrate	428/141	428/212; 428/336; 428/425.6; 428/432; 428/433; 428/846.3; 428/900	Kobayashi; Masato

US 6157166 A	20001205	Battery switching circuit and a computer system having same	320/121	320/150	Odaohhara; Shigefumi et al.
US 6156656 A	20001205	Process for manufacturing a semiconductor device	438/687	257/E21.584; 257/E21.585; 438/622; 438/637; 438/680; 438/681	Kobayashi; Masato et al.
US 6155448 A	20001205	Fuel tank	220/562	220/564	Ishikawa; Takashi et al.
US 6155099 A	20001205	Apparatus for measuring quantity of hydrogen	73/31.05	338/34; 422/88; 422/98; 73/23.2	Kobayashi; Masafumi et al.
US 6153997 A	20001128	Disk apparatus and method of controlling disk apparatus	318/560	318/561; 360/75; 360/77.02; 360/77.04	Kobayashi; Masahito et al.
US 6153951 A	20001128	Structure of linear compressor	310/12	310/217; 310/258; 310/259	Morita; Ichiro et al.
US 6151188 A	20001121	Magnetic tape drive for single-reel type magnetic tape cartridge	360/95		Takano; Akira et al.
US D433693 S	20001114	Electronic still camera having a monitor	D16/202		Kobayashi; Masaharu
US 6147830 A	20001114	Magnetic tape unit	360/73.07		Kobayashi; Masayoshi et al.
US 6144574 A	20001107	Associative memory with a shortest mask output function and search method	365/49	365/189.07	Kobayashi; Masayoshi et al.
US 6144005 A	20001107	Vacuum switch and a vacuum switchgear using the same	218/118	218/139; 218/155	Tanimizu; Toru et al.
US 6136505 A	20001024	Liquid coating composition for use in forming antireflective film and photoresist material using said antireflective film	430/273.1	526/237	Tanabe; Masahito et al.
US 6132928 A	20001017	Coating solution for forming antireflective coating film	430/270.1	430/273.1; 430/281.1; 430/286.1; 430/905; 430/920	Tanabe; Masahito et al.
US 6131433 A	20001017	Indwelling catheter assembly	72/370.21		Nakada; Tsuneo et al.
US	20000926	Fuel supply system having a	417/423.3	417/423.14;	Mori; Eiji et al.

6123521 A		pump with a resiliently mounted filter		417/423.9	
US 6121590 A	20000919	Ceramic-metal junction structure and a method for manufacturing the same	219/553	204/429	Kobayashi; Masayuki et al.
US 6118110 A	20000912	Ceramic-metal junction structure and a method for manufacturing the same	219/548		Kobayashi; Masayuki et al.
US 6114279 A	20000905	Catalyst for methanol synthesis and reforming	502/342	502/326; 502/327; 502/328; 502/329; 502/330; 502/331; 502/332; 502/340; 502/341; 502/343	Fukui; Hideo et al.
US 6105849 A	20000822	Friction welding of aluminum alloy hollow members	228/112.1	228/102; 228/114.5; 280/124.133; 403/183; 440/83	Mochizuki; Hiroyuki et al.
US 6103288 A	20000815	Method and apparatus for cutting a lying bar-shaped food	426/503	425/308; 425/316; 426/518; 83/932	Kobayashi; Masao et al.
US 6100785 A	20000808	Voltage nonlinear resistor and lightning arrester	338/20	338/21	Kato; Tomoaki et al.
US 6095896 A	20000801	Eyeglass lens grinding machine	451/5	451/43; 451/8; 451/9	Kobayashi; Masahiko
US 6090960 A	20000718	Precursor with (methoxy) (methyl) silylolefin ligand to deposit copper and method same	556/9	106/1.26; 427/248.1; 427/250; 427/252; 556/10	Senzaki; Yoshihide et al.
US D427862 S	20000711	Reaper machine	D8/8		Yamane; Yoshiro et al.
US 6087418 A	20000711	Cement admixture and cement composition	524/5	524/4	Yamashita; Akihiko et al.
US 6085895 A	20000711	Curved belt conveyor	198/831	198/837	Osaka; Hajime et al.
US 6084320 A	20000704	Structure of linear compressor	310/12	310/17; 62/6	Morita; Ichiro et al.
US	20000704	Sputter device	204/192.15	204/192.12;	Kobayashi;



6083361 A				204/298.06; 204/298.07; 257/E21.585	Masahiko et al.
US D427394 S	20000627	Blower	D32/15		Yamane; Yoshiro et al.
US 6078775 A	20000620	Intermediate transfer body and image forming apparatus using the intermediate transfer body	399/308	399/302	Arai; Kazuhiko et al.
US 6077403 A	20000620	Sputtering device and sputtering method	204/192.12	204/298.06; 204/298.08; 204/298.16; 257/E21.169; 257/E21.585	Kobayashi; Masahiko et al.
US 6074442 A	20000613	Method of separating slice base mounting member from wafer and jig adapted therefor	29/25.01	438/115	Kobayashi; Masayuki et al.
US 6073340 A	20000613	Method of producing lamination type ceramic heater	29/611	219/542; 219/552; 29/619; 338/254	Shirai; Makoto et al.
US 6072465 A	20000606	Portable information processing apparatus having selectably controllable video controller responsive to removal of display panel	345/156	345/168; 713/323; 714/14; 714/15	Maeda; Kazuhiko et al.
US 6071390 A	20000606	Sputtering apparatus	204/298.19	204/192.12; 204/192.17; 204/298.12; 257/E21.585	Kobayashi; Masahiko
US 6070689 A	20000606	Mid-engine vehicle with engine and driver's seat located laterally on either side of a longitudinal axis of the vehicle	180/291	180/292	Tanaka; Hiromasa et al.
US 6069610 A	20000530	Drive for a display device	345/694		Denda; Hayato et al.
US 6069156 A	20000530	Indole derivatives as cGMP- PDE inhibitors	514/339	514/365; 514/514; 546/277.4; 548/159; 548/454; 548/465; 548/491; 548/493	Oku; Teruo et al.
US 6068896 A	20000530	Molded colored articles	428/31	264/328.1; 428/207;	Manabe; Harutaka et al.

				428/908.8	
US 6068000 A	20000530	Substrate treatment method	134/1.3	216/41; 257/E21.313; 438/705; 438/750	Tanabe; Masahito et al.
US 6063218 A	20000516	Bearing manufacturing method	148/333	148/526; 148/589; 148/639; 148/906	Muraoka; Tomoki et al.
US 6061040 A	20000509	Drive circuit for display device	345/67	345/60	Onodera; Junichi et al.
US 6060381 A	20000509	Method of manufacturing an electronic part having an air- bridge interconnection	438/619	438/671	Nakagawara; Osamu et al.
US 6057241 A	20000502	Method of manufacturing a semiconductor integrated circuit device	438/689	438/700; 438/701; 438/702; 438/719; 438/738	Matsuda; Yasushi et al.
US 6056519 A	20000502	Structure of vibrating compressor	417/415	267/161; 417/417	Morita; Ichiro et al.
US 6055469 A	20000425	Fault determining device for torque transmission state sensor, and engine misfiring diagnosis device	701/34	701/107; 701/29	Shoji; Makoto et al.
US 6053306 A	20000425	Curved belt conveyor	198/831	198/837	Osaka; Hajime et al.
US 6052043 A	20000418	Thin-film multilayered electrode, high-frequency transmission line, high- frequency resonator, and high- frequency filter	333/204	333/219; 333/238	Gotoh; Yoshihiko et al.
US 6049519 A	20000411	Optical system for recording and reproducing for use in optical information recording medium	369/112.24		Arai; Norikazu et al.
US 6048916 A	20000411	Method for dispersion of cement	524/5	524/2; 524/3; 524/4; 524/72	Hirata; Tsuyoshi et al.
US 6045672 A	20000404	Sputtering apparatus	204/298.2	204/298.03; 204/298.19	Kobayashi; Masahiko et al.
US 6044926 A	20000404	Muffler for small general- purpose engine	181/230	181/231; 181/243; 181/282	Yamane; Yoshiro et al.
US D421700 S	20000321	Hedge trimmer	D8/8		Yamane; Yoshiro et al.

US 6033471 A	20000307	Metallic thin flim and method of manufacturing the same, and surface acoustic wave device using the metallic thin film and the method thereof	117/108	117/109; 117/938; 204/192.17	Nakanishi; Hidefumi et al.
US 6030510 A	20000229	Hot reflow sputtering method and apparatus	204/192.12	204/298.09; 204/298.15; 257/E21.585	Kobayashi; Masahiko et al.
US 6030051 A	20000229	Two-piece steel wheel	301/63.105	29/894.322; 301/63.103; 301/63.107	Hosoda; Toshiharu et al.
US D420872 S	20000222	Hedge trimmer	D8/8		Yamane; Yoshiro et al.
US 6028263 A	20000222	Thermoelectric power generating apparatus and method for driving same	136/201	136/205	Kobayashi; Masakazu et al.
US 6024465 A	20000215	Lighting fixture	362/218	362/264	Kobayashi; Masato
US 6023364 A	20000208	Electrochromic mirror	359/265	359/267; 359/270; 359/273	Kobayashi; Masaaki et al.
US 6022461 A	20000208	Sputtering apparatus	204/298.07	204/298.11; 204/298.19	Kobayashi; Masahiko et al.
US 6020639 A	20000201	Semiconductor wafer with removed CVD copper	257/750	257/735; 257/786; 257/787; 257/E21.309	Ulrich; Bruce Dale et al.
US D419592 S	20000125	Ink cartridge	D18/56	347/86	Nakazawa; Chiyoshige et al.
US 6017643 A	20000125	Hot-dip aluminized steel sheet, method of manufacturing the same and alloy-layer control apparatus	428/653	118/407; 118/419; 118/674; 118/712; 374/124; 374/137; 427/431; 427/436; 427/8; 427/9; 428/654; 428/684	Kobayashi; Masayuki et al.
US 6016417 A	20000118	Intermediate transfer medium, method for producing the same and image forming device using the same	399/308		Katsuno; Ryuji et al.

US 6013162 A	20000111	Method of handling a substrate after sputtering and sputtering apparatus	204/298.03	204/298.09; 204/298.15; 204/298.23; 204/298.25; 204/298.26	Kobayashi; Masahiko et al.
US 6011459 A	20000104	Voltage-dependent non-linear resistor member, method for producing the same and arrester	338/21	252/519.51; 252/521.1	Kobayashi; Kei- Ichiro et al.
US D418159 S	19991228	Ink cartridge	D18/56	347/86	Nakazawa; Chiyoshige et al.
US 6005596 A	19991221	Method for recording color image, apparatus for recording color image, and method for controlling recording of color image	347/176	347/41	Yoshida; Masaaki et al.
US 6005182 A	19991221	Thermoelectric conversion module and method of manufacturing the same	136/201	136/200; 136/203; 136/205	Imanishi; Yuichiro et al.
US 6001403 A	19991214	Method and apparatus for producing a cored food in bar shape	426/297	425/335; 425/363; 425/505; 426/512; 426/514; 426/517; 99/450.6; 99/450.7	Kobayashi; Masao
US 5996521 A	19991207	Large-scale columnar structure made of a fiber reinforced plastic	114/90		Kitano; Akihiko et al.
US 5994637 A	19991130	Thermoelectric conversion module and method of manufacturing the same	136/201		Imanishi; Yuichiro et al.
US 5993506 A	19991130	Plate-crystalline tungsten carbide-containing hard alloy, composition for forming plate-crystalline tungsten carbide and process for preparing said hard alloy	75/240	419/15; 419/18; 419/38; 419/57; 419/60; 428/552; 428/553	Kobayashi; Masaki et al.
US 5990463 A	19991123	Oxygen sensor element holding lamination type ceramic heater	219/544	219/542; 219/543	Shirai; Makoto et al.
US 5990422 A	19991123	Apparatus for measuring weight and length of article	177/25.11	177/119; 177/145	Komori; Susumu et al.
US 5988888 A	19991123	Squeeze film damper bearing	384/119	384/120	Une; Soichiro et al.

US 5986845 A	19991116	Apparatus for positioning magnetic head and method of the same	360/75	360/60; 360/78.04	Yamaguchi; Takashi et al.
US 5984084 A	19991116	Curved belt conveyor	198/831	198/837	Osaka; Hajime et al.
US 5984048 A	19991116	Lubricant supplying mechanism for a wave gear drive	184/6.12	74/467; 74/640	Kiyosawa; Yoshihide et al.
US 5982982 A	19991109	Video signal processing apparatus	386/109	386/111	Ono; Tadashi et al.
US 5982793 A	19991109	Semiconductor laser module with internal matching circuit	372/38.1		Kobayashi; Masaki et al.
US 5979417 A	19991109	Fuel reserving device	123/516	123/518; 137/587	Hyodo; Yoshihiko et al.
US 5969746 A	19991019	Image forming apparatus for reproducing halftone images	347/252	347/131; 347/140; 347/251; 347/254	Oda; Yasuhiro et al.
US 5968848 A	19991019	Process for treating a lithographic substrate and a rinse solution for the treatment	438/745	134/2; 134/3; 134/41; 257/E21.228; 257/E21.313; 438/906; 510/176	Tanabe; Masahito et al.
US 5968679 A	19991019	Magnetic recording medium and method of manufacturing the same	428/831.2	428/332; 428/336	Kobayashi; Masato et al.
US 5968327 A	19991019	Ionizing sputter device using a coil shield	204/298.11	204/298.06; 204/298.08	Kobayashi; Masahiko et al.
US 5966362 A	19991012	Optical system for recording and reproducing for use in optical information recording medium	369/112.23		Arai; Norikazu et al.
US 5965841 A	19991012	Thermoelectric conversion material and a process for producing the same	136/240		Imanishi; Yuichiro et al.
US 5964074 A	19991012	Cooking apparatus	53/127	53/284.7	Suzuki; Katsuhiko et al.
US 5957361 A	19990928	Magnetic tape device having a tape guide which prevents excessive compressive force on a magnetic tape	226/189	226/194; 242/346.2; 242/615.2; 242/615.3; 242/615.4	Kobayashi; Masayoshi et al.
US 5954927 A	19990921	Method of manufacturing magnetic recording medium	204/192.2	204/192.15; 204/298.25	Kobayashi; Masato et al.
US 5952728 A	19990914	Thermoelectric conversion module having channels filled	62/3.2	136/224; 136/225;	Imanishi; Yuichiro et al.

		with semiconducting material and insulating fillers		257/120; 257/275; 257/374; 257/467; 257/470; 257/712; 257/713; 257/717; 62/3.3	
US 5948467 A	19990907	Enhanced CVD copper adhesion by two-step deposition process	438/618	257/E21.585; 427/124; 427/250; 427/255.7; 427/96.8; 438/679	Nguyen; Tue et al.
US 5944968 A	19990831	Sputtering apparatus	204/298.2	204/298.19	Kobayashi; Masahiko et al.
US 5939804 A	19990817	Linear actuator and optical equipment using the same	310/12		Nakao; Suguru et al.
US 5936792 A	19990810	Positioning adaptive control method and positioning device as well as information storage device	360/78.07	360/77.01; 360/78.04	Kobayashi; Masahito et al.
US 5936528 A	19990810	Visually handicapped person guidance and support	340/572.5	340/10.34; 340/573.1; 340/693.8; 340/825.19; 340/825.49	Kobayashi; Masamitsu et al.
US 5934157 A	19990810	Flexible meshing type gear device having a high wear-resisting rigid internal gear	74/640	427/438; 74/460; 74/464	Kobayashi; Masaru et al.
US 5932753 A	19990803	Process for producing 2-methyl-1,4-benzoquinone	552/309	552/293; 552/303; 568/338; 568/357; 568/362	Onodera; Kenji et al.
US 5928658 A	19990727	Oil-free wax-free solid cosmetic composition	424/401	424/489; 424/490; 424/642; 424/646; 424/682; 424/69; 514/770; 514/773; 514/78	Kishida; Shigeru et al.
US	19990727	Method for rinsing plate-shaped	134/89	134/155;	Hayami; Yuka et

5927302 A		articles and cleaning bath and cleaning equipment used in the same		134/182; 134/186; 134/902; 257/E21.228	al.
US D412178 S	19990720	Combined video tape recorder and camera	D16/202		Kobayashi; Masaharu
US 5925227 A	19990720	Multichamber sputtering apparatus	204/298.25	204/298.07; 204/298.09; 204/298.15	Kobayashi; Masahiko et al.
US 5925184 A	19990720	Cement composition	106/696	106/724; 106/725; 106/727; 106/728; 106/802; 106/823	Hirata; Tsuyoshi et al.
US 5922201 A	19990713	Hollow fiber membrane module	210/321.79	210/232; 210/321.8; 210/321.88; 210/321.89; 210/499; 210/500.23	Yamamori; Hisayoshi et al.
US 5921805 A	19990713	Connector cover	439/457	439/472; 439/942	Tabata; Masaaki et al.
US 5920532 A	19990706	Information pick-up apparatus and optical disk apparatus	369/53.22	369/112.24	Yagi; Katsuya et al.
US 5920244 A	19990706	Thin-film multilayered electrode, high-frequency resonator, and high-frequency transmission line	333/219	333/219.1; 333/238	Kobayashi; Masato et al.
US 5918103 A	19990629	Plate-crystalline tungsten carbide-containing hard alloy, composition for forming plate-crystalline tungsten carbide and process for preparing said hard alloy	419/18	419/13; 419/16; 419/57; 75/237	Kobayashi; Masaki et al.
US D411228 S	19990622	Ink jet printer	D18/50		Kobayashi; Masahiko et al.
US 5912429 A	19990615	High temperature thermoelectric material and its production method	136/240	136/201; 136/236.1; 252/62.3T; 419/31; 419/38; 419/44; 419/53;	Imanishi; Yuichiro et al.

				419/55; 419/56; 419/57; 420/576	
US 5912284 A	19990615	Cement additive, its production process and use	524/5		Hirata; Tsuyoshi et al.
US 5910761 A	19990608	Voltage-dependent non-linear resistor member, method for producing the same and arrester	338/21	252/519.54; 338/20	Kobayashi; Kei-Ichiro et al.
US 5910456 A	19990608	Prepregs and carbon fiber-reinforced composite materials	442/179	428/408; 428/902; 442/334; 442/394	Matsuhisa; Yoji et al.
US 5905063 A	19990518	Remover solution composition for resist and method for removing resist using the same	510/176	134/1.3; 134/2; 134/3; 134/40; 134/42; 510/255; 510/258; 510/264; 510/269; 510/401; 510/402	Tanabe; Masahito et al.
US 5900324 A	19990504	Magnetic recording media, methods for producing the same and magnetic recorders	428/611	204/192.15; 204/192.2; 428/635; 428/663; 428/828; 428/900; 428/928	Moroishi; Keiji et al.
US D408832 S	19990427	Combined video tape recorder and camera	D16/202		Kobayashi; Masaharu
US 5897868 A	19990427	Slurry composition for cosmetic product and method of use	424/401	424/69; 514/844	Kobayashi; Masaru et al.
US 5897591 A	19990427	Implant for injured tendon of digitus manus	623/13.11	606/151	Kobayashi; Masanori
US 5897379 A	19990427	Low temperature system and method for CVD copper removal	438/754	216/106; 216/92; 257/E21.228; 257/E21.309; 438/692; 438/695; 438/748; 438/750	Ulrich; Bruce Dale et al.



US 5894329 A	19990413	Display control unit for converting a non-interlaced image into an interlaced image and displaying the converted image data	348/446	348/620; 348/625	Takeda; Yasumasa et al.
US 5888275 A	19990330	Assembly for deaeration of liquids	96/6	95/46; 96/13	Hamasaki; Sadakatsu et al.
US 5886291 A	19990323	Thermoelectric conversion module and method of manufacturing the same	136/203		Imanishi; Yuichiro et al.
US 5883327 A	19990316	Keyboard system for an electric musical instrument in which each key is provided with an independent output to a processor	84/653	84/678; 84/744	Terada; Kosei et al.
US 5881455 A	19990316	Method of fabricating through-holed wiring board	29/852	216/17; 216/65; 264/156; 264/162; 264/78; 29/90.7; 29/DIG.36	Kobayashi; Masato et al.
US 5876656 A	19990302	Method of fabricating a molding	264/450	264/151; 264/163; 264/296; 264/452; 264/486; 264/491; 264/DIG.46; 425/174.8R	Goto; Shinichi et al.
US 5876069 A	19990302	Connection construction for tubular members	285/24	285/226; 285/322; 285/903; 285/93	Kobayashi; Masaaki
US 5870283 A	19990209	Portable computer docking unit having an inhibitor for inhibiting movement of a mechanical lock to a lock position	361/686	70/58	Maeda; Kazuhiko et al.
US 5863710 A	19990126	Developer solution for photolithographic patterning	430/331	430/294; 430/311; 430/314; 430/319; 430/325; 510/171; 510/176	Wakiya; Kazumasa et al.

US 5862857 A	1990126	Heat exchanger for refrigerating cycle	165/184	165/133; 165/179	Ishikawa; Atsuyumi et al.
US 5860075 A	1990112	Document data filing apparatus for generating visual attribute values of document data to be filed	715/530	382/190; 382/286; 382/306; 707/6	Hashizume; Tatsuo et al.
US 5859943 A	1990112	Optical module and method for manufacturing the optical	385/49	156/259; 156/264; 264/1.25; 385/52	Asakura; Hiroyuki et al.
US 5853328 A	19981229	Power transmission device and constant velocity universal joint therefor	464/145	464/146; 464/906	Kobayashi; Masazumi et al.
US 5853079 A	19981229	Chip feed apparatus and chip feed casing therefor	198/395	198/400; 206/701	Ito; Tsuyoshi et al.
US 5844755 A	19981201	Giant magnetoresistive information recording medium, and associated recording and reproducing method and apparatus	360/131	257/E23.179; 338/32R; 360/55	Yamane; Haruki et al.
US 5841941 A	19981124	Encoded data stream recording and reproducing apparatus with tape speed, channel number, and cylinder speed control in accordance with bit rate	386/95	386/104; 386/108; 386/124	Morimoto; Kenji et al.
US 5840533 A	19981124	Tissue plasminogen activator	435/69.1	435/212; 435/320.1; 514/12	Niwa; Minéo et al.
US 5839721 A	19981124	Movable workbench and an assembly line device using the workbench	271/265.02	271/195; 406/19; 406/88	Kobayashi; Masaaki
US D400918 S	19981110	Ink jet color printer	D18/55	347/108	Kobayashi; Masahiko et al.
US 5835474 A	19981110	Disk device configured to prevent contact between the disk and the disk drive motor	720/652		Eguchi; Takaharu et al.
US 5830261 A	19981103	Assembly for deaeration of liquids	96/6	95/46; 96/13	Hamasaki; Sadakatsu et al.
US 5826211 A	19981020	Electronic controller having excellent control program and control data overwriting capabilities	701/115	123/480; 123/486; 701/1; 701/102; 701/99	Kobayashi; Masayuki
US 5825709 A	19981020	Semiconductor memory device	365/230.03	365/205; 365/230.04;	Kobayashi; Masakazu

				365/238.5	
US 5825685 A	19981020	High-speed, low-current magnetoresistive memory device	365/158	365/168; 365/173	Yamane; Haruki et al.
US 5824427 A	19981020	Magnetic recording media and methods for producing the same	428/831.2	204/192.1; 427/128	Kobayashi; Masato et al.
US 5822210 A	19981013	Manufacturing management system having SMT line	700/121	257/E21.525	Kobayashi; Masakazu et al.
US 5820890 A	19981013	Apparatus for cutting plastic bar-shaped food	425/133.1	425/295; 425/308	Kobayashi; Masao
US 5818809 A	19981006	Optical system for recording and/or reproducing an optical information recording medium	369/112.24	369/118	Arai; Norikazu et al.
US 5818587 A	19981006	Image measuring apparatus	356/477		Devaraj; Balasigamani et al.
US 5817487 A	19981006	Heparan sulfate 2-0-sulfotransferase	435/84	435/130; 435/193; 435/358; 435/72; 536/21	Kobayashi; Masashi et al.
US 5815548 A	19980929	Photographing device and X-ray photographing system utilizing the same	378/173	378/174	Suzuki; Kenichi et al.
US 5813903 A	19980929	Sanding apparatus with a brake system	451/294	451/357	Amano; Kunio et al.
US 5812028 A	19980922	Audio signal amplifier circuit and a portable acoustic apparatus using the same	330/261	381/120	Adachi; Kengo et al.
US 5811756 A	19980922	ARC welding method for aluminum members and welded product excellent in dimensional accuracy and external appearance	219/137WM	219/160	Horita; Motoshi et al.
US RE35898 E	19980915	Lens periphery processing apparatus, method for obtaining processing data, and lens periphery processing method	451/5	451/41	Shibata; Ryoji et al.
US 5807510 A	19980915	Electric resistance element exhibiting voltage nonlinearity characteristic and method of manufacturing the same	252/519.51	252/519.52; 252/519.54; 264/617; 338/21	Furuse; Naomi et al.
US 5806137 A	19980915	Washing of wafers and wafer washing and drying apparatus	15/302	15/77; 15/88.3; 257/E21.228	Ishi; Hiromitsu et al.
US	19980908	Weld-obscuring thermoplastic	428/402	106/239;	Takimoto;

5804315 A		resin composition and a molded article		428/357; 428/363; 428/372; 524/439; 524/440; 524/441	Masahiro et al.
US 5803793 A	19980908	Lens grinding apparatus having chamfering and other grinding wheels mounted on the same shaft	451/5	451/255; 451/43	Mizuno; Toshiaki et al.
US 5802141 A	19980901	Electronic private branch exchange	379/22	379/12; 379/221.03; 379/32.04	Kobayashi; Masayuki
US 5801671 A	19980901	Liquid crystal driving device	345/95	345/211; 345/88	Kobayashi; Masakazu et al.
US 5798892 A	19980825	Magnetic tape apparatus having means for aligning magnetic tape to magnetic head and method thereof	360/130.22		Kobayashi; Masayoshi
US 5797773 A	19980825	Terminal Fitting	439/752		Kobayashi; Masaaki
US 5795702 A	19980818	Photoresist stripping liquid compositions and a method of stripping photoresists using the same	430/331	430/256; 430/329; 510/176	Tanabe; Masahito et al.
US 5792274 A	19980811	Remover solution composition for resist and method for removing resist using the same	134/1.3	134/2; 134/3; 134/40; 134/42; 510/176; 510/255; 510/258; 510/264; 510/269; 510/401; 510/402	Tanabe; Masahito et al.
US 5790765 A	19980804	Color printer and colors printing method for printing monochrome image of different color one on another	358/1.9	347/171; 347/247	Kobayashi; Masaki
US 5790343 A	19980804	Magnetic tape drive for a single-reel type magnetic tape cartridge	360/95	360/93; 360/97.01	Takano; Akira et al.
US 5790095 A	19980804	Error variance processing equipment for display device	345/690	345/63; 382/252	Onodera; Junichi et al.
US 5788924 A	19980804	Wear resistant copper alloy and synchronizer ring made thereof	420/479	148/434; 420/480	Kobayashi; Masao et al.

US 5787182 A	19980728	Audio signal amplifier circuit and a portable audio equipment using the same	381/74	381/121; 381/28	Hoshino; Taichi et al.
US 5783362 A	19980721	Liquid coating composition for use in forming photoresist coating films and a photoresist material using said composition	430/273.1		Wakiya; Kazumasa et al.
US 5778120 A	19980707	Optical module and method for manufacturing the optical modules	385/49	385/14; 385/83; 385/88; 385/89	Asakura; Hiroyuki et al.
US 5777451 A	19980707	Vehicle longitudinal spacing controller	318/587	180/169; 318/480; 318/568.1; 701/23	Kobayashi; Masanori et al.
US 5775413 A	19980707	Heat exchanger having corrugated fins and air conditioner having the same	165/151	165/181	Kawanabe; Takashi et al.
US 5773200 A	19980630	Positive resist composition suitable for lift-off technique and pattern forming method	430/324	430/191; 430/327; 430/329; 430/330	Okazaki; Satoshi et al.
US 5771652 A	19980630	Window molding for automobiles	52/716.5	296/93; 52/204.597; 52/208; 52/716.2; 52/716.8; 52/717.01; 52/717.05	Nagata; Takuji et al.
US 5770988 A	19980623	Thin-film multilayered electrode and method of fabricating same	333/236	333/219; 333/238	Goto; Yoshihiko et al.
US 5770292 A	19980623	Joint assembly of a leader and a film and splicer for making the same	428/57	156/157; 156/304.3; 428/192; 428/61	Shimamura; Yasunobu et al.
US 5768650 A	19980616	Apparatus for recovering film containers	396/599	396/612; 396/613	Shimamura; Yasunobu et al.
US 5767301 A	19980616	Precursor with (alkyloxy)(alkyl)-silylolefin ligand to deposit copper	556/9	117/104; 427/587; 556/117; 556/12	Senzaki; Yoshihide et al.
US D395048 S	19980609	Switching apparatus for telephone set	D14/240		Kobayashi; Masaki
US	19980609	Parabolic-wave shaping circuit	315/382		Kobayashi;

5764005 A		for focus-correction			Masaki
US 5763848 A	19980609	Electrode for vacuum circuit breaker	218/128		Hakamata; Yoshimi et al.
US 5761562 A	19980602	Apparatus of storing and feeding film leaders for use in a photographic process	396/599	396/612	Kobayashi; Masayuki
US 5760756 A	19980602	Error variance circuit	345/87	345/60; 345/690	Kobayashi; Masayuki et al.
US 5760549 A	19980602	Parabolic-wave shaping circuit for focus-correction	315/382		Kobayashi; Masaki
US 5759029 A	19980602	Esthetic orthodontic wire	433/20		Kobayashi; Masahiro et al.
US 5758417 A	19980602	Method of manufacturing an ink jet head having a coated surface	29/890.1	216/27; 347/20; 347/63	Kobayashi; Masatsune et al.
US 5757758 A	19980526	Optical pickup apparatus objective lens and converging optical system for optical pickup and optical disk apparatus	369/112.25	369/44.12	Yagi; Katsuya et al.
US 5756984 A	19980526	Handy scanner	235/462.45	235/462.42	Kobayashi; Masayuki
US 5754513 A	19980519	Information pick-up apparatus and optical disk apparatus	369/53.22	369/112.03; 369/118; 369/53.2	Yagi; Katsuya et al.
US 5753421 A	19980519	Stock developer solutions for photoresists and developer solutions prepared by dilution thereof	430/325	252/79.5; 430/326; 430/331	Sato; Mitsuru et al.
US 5753322 A	19980519	Antibacterial, antifungal aluminum building materials and fixtures using the materials	428/14	428/457; 428/469; 428/901; 428/907	Yamaguchi; Tadashi et al.
US 5752352 A	19980519	Window molding for automobiles	52/208	296/146.15; 296/208; 296/93; 49/490.1; 52/716.2; 52/716.5	Goto; Shinichi et al.
US 5751367 A	19980512	Video signal detecting apparatus	348/511	348/500	Wakabayashi; Toshitsugu et al.
US 5750316 A	19980512	Manufacture of semiconductor device using a-c anti-reflection coating	430/311	430/290; 430/510	Kawamura; Eiichi et al.
US 5747224 A	19980505	Stock developer solutions for photoresists and developer	430/331	252/79.5; 430/325;	Sato; Mitsuru et al.

		solutions prepared by dilution thereof		430/326	
US 5746893 A	19980505	Method of manufacturing magnetic recording medium	204/192.2	204/298.25	Kobayashi; Masato et al.
US D393870 S	19980428	Ink jet printer	D18/55		Kobayashi; Masahiko et al.
US 5745406 A	19980428	High-speed, low-current magnetoresistive memory device	365/158	365/171; 365/173	Yamane; Haruki et al.
US 5744192 A	19980428	Method of using water vapor to increase the conductivity of copper deposited with Cu(hfac)TMVS	427/96.8	427/250	Nguyen; Tue et al.
US 5739970 A	19980414	Magnetic tape unit	360/75	360/74.1; 360/74.5	Kobayashi; Masayoshi et al.
US 5739761 A	19980414	Vehicular controller	701/35	307/10.1; 307/9.1; 340/3.1; 340/3.43; 340/459; 370/221; 701/29; 714/13; 714/3	Kobayashi; Masayuki
US 5737630 A	19980407	Communication device for synchronized serial communication	712/29	700/3; 709/208	Kobayashi; Masayuki
US 5735729 A	19980407	Abrasive composition with an electrolytic water and a polishing process with the use of said abrasive composition	451/36	451/41; 51/308	Kobayashi; Masatsune et al.
US 5731631 A	19980324	Semiconductor device with tape automated bonding element	257/702	257/737; 257/778; 257/E21.502; 257/E23.055; 257/E23.125; 257/E23.126	Yama; Yomiyuki et al.
US 5726638 A	19980310	Method and device for serial communication	375/232	180/287; 307/11; 307/36; 340/5.72; 340/825.2; 340/825.5; 340/825.62; 370/241; 370/242;	Kobayashi; Masayuki

				370/244; 714/707; 714/708	
US 5724335 A	19980303	Objective lens for recording and reproducing for use in an optical information recording medium	369/112.08	369/112.1; 369/112.13; 369/112.26; 369/53.2	Kobayashi; Masaya
US 5719365 A	19980217	Insulated type switching device	218/118	218/140	Tanimizu; Tooru et al.
US 5716256 A	19980210	Lens grinding apparatus for grinding an eyeglass lens from a plurality of directions	451/5	451/210; 451/43	Mizuno; Toshiaki et al.
US D390258 S	19980203	Ink jet printer	D18/55	347/108	Kawahara; Manabu et al.
US D389861 S	19980127	Laser printer	D18/55		Kobayashi; Masahiko et al.
US 5709912 A	19980120	Automobile decoration molding	428/31	156/244.11; 293/128; 52/716.5	Goto; Shinichi et al.
US 5705434 A	19980106	Method of manufacturing thermoelectric conversion module	438/55	136/201; 136/224; 136/225; 136/230	Imanishi; Yuichiro et al.
US 5703868 A	19971230	Optical information recording medium having discernible obverse and reverse sides	369/286		Kobayashi; Masakazu et al.
US 5702782 A	19971230	Two layer extrusion molding	428/31	428/518; 428/522	Goto; Shinichi et al.
US 5699250 A	19971216	Vehicle communication system	701/48	701/1	Kobayashi; Masayuki
US D387360 S	19971209	Backhoe	D15/25		Ishizaki; Masahiro et al.
US 5694506 A	19971202	Optical connector	385/60		Kobayashi; Masaru et al.
US 5691618 A	19971125	Battery pack charging device	320/115	429/99	Kobayashi; Masahiko et al.
US 5691055 A	19971125	Carbon fibers and process for preparing same	428/367	428/375; 428/392	Kobayashi; Masanobu et al.
US 5681192 A	19971028	Male terminal metal fixture	439/884		Kobayashi; Masaaki et al.
US 5679204 A	19971021	Plasma apparatus	156/345.41	438/710	Kobayashi; Masayuki et al.
US	19971014	Optical wavelength filter with	385/11	385/14;	Okayama;



5677971 A		reduced sidelobes and simple design		385/16; 385/7; 385/9	Hideaki et al.
US 5677610 A	19971014	Control apparatus for electric vehicles	318/801		Tanamachi; Tokunosuke et al.
US 5671820 A	19970930	Backhoe having an engine hood with a driver's seat mounted thereon	180/68.1	180/328; 180/69.21; 180/89.16; 296/66	Kobayashi; Masahiko et al.
US 5670767 A	19970923	Gas-insulated switchgear with improved insulation joint	218/43	218/3; 218/68; 361/604	Kobayashi; Masatomo et al.
US D383469 S	19970909	Backhoe	D15/25	D15/24	Ishizaki; Masahiro et al.
US 5666287 A	19970909	Quench-hardening testing method and apparatus	702/35	148/510; 73/760	Furumura; Kyozaaburo et al.
US 5665176 A	19970909	n-Type thermoelectric materials	148/33	136/228; 136/236.1; 252/62.3R; 257/930	Shinohara; Kazuhiko et al.
US 5663617 A	19970902	Parabolic-wave shaping circuit for focus-correction	315/382	315/367; 315/395; 348/806	Kobayashi; Masaki
US D381996 S	19970805	Combined video tape recorder and camera	D16/202		Kobayashi; Masaharu
US 5651854 A	19970729	Joint assembly of a leader and a film and splicer for making the same	156/502	156/157; 156/159; 156/513	Shimamura; Yasunobu et al.
US 5648250 A	19970715	Tissue plasminogen activator	424/94.64	435/212; 435/252.33; 435/320.1; 514/12; 536/23.2	Niwa; Mineo et al.
US 5648184 A	19970715	Electrode material for flow-through type electrolytic cell, wherein the electrode comprises carbonaceous material having at least one groove	429/105	429/101; 429/209; 429/34; 429/38; 429/40; 429/44	Inoue; Makoto et al.
US 5645107 A	19970708	Hydraulic pressure control valve	137/625.23	137/625.24; 91/375A	Kobayashi; Masanori et al.
US 5643427 A	19970701	Magnetron cathode	204/298.2	204/192.12; 204/298.19	Kobayashi; Masahiko et al.
US 5642252 A	19970624	Insulated gate semiconductor device and driving circuit	361/93.9	361/103; 361/115;	Sakamoto; Kozo et al.

		device and electronic system both using the same		361/18	
US 5640516 A	19970617	Faraday rotator	359/280	359/281; 359/282; 359/324; 359/484	Iwatsuka; Shinji et al.
US 5631314 A	19970520	Liquid coating composition for use in forming photoresist coating films and photoresist material using said composition	524/165	526/206; 526/214; 526/225; 526/236	Wakiya; Kazumasa et al.
US 5630738 A	19970520	Female terminal, metal fixture	439/852	439/851	Ito; Tomonari et al.
US 5619285 A	19970408	CRT drive circuit	348/806	315/382.1	Kobayashi; Masaki
US 5610465 A	19970311	High-frequency motor	310/211	310/125	Sakamoto; Shinichi et al.
US 5606943 A	19970304	Four-cycle engine	123/90.23	123/196CP; 123/196W; 123/198C; 123/90.31; 123/90.33; 184/6.5	Tamba; Shinichi et al.
US 5604394 A	19970218	Image display apparatus	313/422	313/493; 313/495; 313/496; 313/497	Saito; Masato et al.
US 5604030 A	19970218	Magnetic recording medium method and apparatus for fabricating same	428/332	204/192.1; 204/192.15; 204/192.2; 427/127; 427/128; 427/129; 427/130; 427/132; 428/336; 428/611; 428/668; 428/670; 428/678; 428/828.1; 428/900	Yamane; Haruki et al.
US 5603961 A	19970218	Sustained release multi-core microsphere preparation and method for producing the same	424/502	264/4.1; 264/4.33; 264/4.6; 424/489; 424/490;	Suzuki; Takehiko et al.

				424/497; 424/501; 428/402.21; 514/937; 514/938	
US 5595604 A	19970121	Wafer supporting boat	118/715	118/728; 118/729	Kobayashi; Shuichi et al.
US 5594224 A	19970114	Vacuum circuit interrupter	218/134	218/135	Tanimizu; Toru et al.
US 5591054 A	19970107	Male terminal fitting and method of producing the same	439/884		Okada; Hajime et al.
US 5589055 A	19961231	Method for preparing carbon fibers	205/768	427/384; 427/386	Kobayashi; Masanobu et al.
US 5587240 A	19961224	Carbon fibers and process for preparing same	428/367	428/375; 428/396	Kobayashi; Masanobu et al.
US 5581419 A	19961203	Magnetic tape drive for driving magnetic tape having leader block at leading end	360/71	242/332; 360/95	Kobayashi; Masayoshi
US 5581406 A	19961203	Anti-glare rearview mirror system	359/604	359/267; 359/273; 359/603	Kobayashi; Masaki et al.
US 5576183 A	19961119	Monoclonal antibody recognizing FK506-binding protein, method for assaying FK506-binding protein level, and kit therefor	435/7.21	530/388.22; 530/388.25	Kobayashi; Masakazu et al.
US 5558896 A	19960924	Method for cutting a bar-shaped food and its apparatus	426/516	425/132; 425/142; 425/308; 426/503	Kobayashi; Masao
US 5558728 A	19960924	Continuous fiber-reinforced titanium-based composite material and method of manufacturing the same	148/421	228/190; 228/193; 228/262.71; 428/608; 428/611; 428/614	Kobayashi; Masaru et al.
US 5556642 A	19960917	Method for producing sustained release microsphere preparation	424/502	264/4.1; 264/4.6; 424/451; 424/489; 424/497; 424/498; 424/501; 428/402.21; 514/963	Kobayashi; Masao et al.
US	19960903	Passenger restraint belt system	701/45	180/268;	Omura; Hideo et

5552986 A				280/806; 280/807; 297/480	al.
US 5552616 A	19960903	Semiconductor light detecting device with groove	257/184	257/458; 257/465; 257/466; 257/E31.061	Kobayashi; Masahiro
US 5542970 A	19960806	Monoazo compound and recording liquid containing the same	106/31.43	106/31.49; 106/31.51; 347/100; 534/840; 534/841; 534/862; 534/872; 534/873; 534/879	Miura; Konoe et al.
US 5539157 A	19960723	Multi-check metering method using load cells and metering device for the same	177/50	177/25.13; 177/45	Kobayashi; Masashi et al.
US 5532137 A	19960702	Anti-FR-900506 substance antibodies and highly-sensitive enzyme immunoassay method	435/7.92	435/28; 435/7.1; 435/7.9; 435/7.93; 435/70.21; 435/810; 436/518; 436/548; 436/808; 530/387.1; 530/388.9; 530/391.1; 530/808; 530/809; 530/815; 530/864; 530/868	Niwa; Mineo et al.
US 5528427 A	19960618	Zoom lens	359/683	359/684	Tanaka; Tsunefumi et al.
US 5526448 A	19960611	Optical waveguide modulator having a reduced D.C. drift	385/1	385/132; 385/14; 385/15; 385/2; 385/39; 385/40; 385/45	Nagata; Hirotooshi et al.
US 5522970 A	19960604	Distilling tube apparatus	202/197	159/903; 159/DIG.27;	Shimizu; Yutaka et al.

				525/279	
US 5498447 A	19960312	Coating method	427/213	118/303; 427/220	Nishii; Hiroyuki et al.
US 5494757 A	19960227	Adhesive tape for electronic parts and liquid adhesive	428/447	428/521; 524/530; 525/282	Sakumoto; Yukinori et al.
US 5483945 A	19960116	Air/fuel ratio control system for engine	123/374		Kobayashi; Masato et al.
US 5480553 A	19960102	Hollow fiber membrane module	210/650	139/383R; 139/426R; 210/321.79; 210/500.23; 210/791; 210/796; 210/797	Yamamori; Hisayoshi et al.
US 5479623 A	19951226	Starting system for multiple resident processes under DOS	718/100	430/270.16; 713/1	Kobayashi; Masahiro
US 5475537 A	19951212	Optical system for use in recording and reading information on an optical information medium	359/794	359/368; 359/717; 359/795	Kobayashi; Masaya et al.
US 5474616 A	19951212	Method for rinsing plate-shaped articles	134/32	134/182; 134/183; 134/34; 134/42; 134/902; 257/E21.228	Hayami; Yuka et al.
US 5470652 A	19951128	Support sheet for photographic printing paper and process for producing the sheet	428/328	427/496; 427/498; 427/499; 427/500; 428/329; 428/330; 428/340; 428/409; 428/508; 428/509; 428/910	Miura; Takaharu et al.
US 5470451 A	19951128	Sputtering apparatus	204/298.03	204/298.07; 204/298.11	Kobayashi; Masahiko et al.
US 5468517 A	19951121	Method for treating shaped article made of polypropylene resin before coating	427/322	252/180; 427/444; 510/244; 510/421; 510/434; 510/435	Miyazaki; Katsuo et al.

US D363922 S	19951107	Pen based computer	D14/320		Kobayashi; Masahiko
US 5465158 A	19951107	Video tape recorder capable of recording and reproducing wide-band chrominance signal	386/26	348/489	Morioka; Yoshihiro et al.
US 5462799 A	19951031	Carbon fibers and process for preparing same	428/364	423/447.1; 428/367	Kobayashi; Masanobu et al.
US 5460130 A	19951024	SOHC-type valve operating system in internal combustion engine	123/90.16	123/90.23	Fukuzawa; Masami et al.
US 5456049 A	19951010	Window molding for automobiles	52/208	296/146.15; 296/208; 296/93; 52/716.5	Goto; Shinichi et al.
US 5448980 A	19950912	Leak diagnosis system for evaporative emission control system	123/520	123/198D	Kawamura; Katsuhiko et al.
US 5446080 A	19950829	Liquid adhesive for electronic parts and process for forming insulating adhesive layer using the same	524/99	174/110SR; 174/137A; 174/189; 174/196; 257/E23.039; 257/E23.04; 427/120; 525/329.3; 525/375	Shima; Takeshi et al.
US 5443780 A	19950822	Oriented films of polylactic acid and methods of producing same	264/290.2	264/176.1; 264/288.4; 264/288.8	Matsumoto; Kiyoichi et al.
US 5439574 A	19950808	Method for successive formation of thin films	204/192.12	204/192.13; 204/192.15; 204/298.03; 204/298.07; 204/298.15; 204/298.19; 438/656	Kobayashi; Masahiko et al.
US 5438390 A	19950801	Image forming apparatus having monocoque housing structure including unitary toner collecting vessel	399/110	271/272; 355/30; 399/120; 399/92	Kobayashi; Masahiko et al.
US 5438341 A	19950801	Monitor interface architecture for black level transfer	345/20	345/22; 345/600; 345/692; 348/687	Kobayashi; Masaki et al.
US	19950725	Ink jet recording head, process	347/63	347/65	Kobayashi;

5436650 A		for producing the head and ink jet recording apparatus			Junichi et al.
US 5432237 A	19950711	Radically polymerizable composition	525/284	252/500; 525/279; 525/282; 525/283; 525/291; 525/296; 525/309	Otsuka; Reiko et al.
US 5431530 A	19950711	Apparatus for transferring and stocking lead plates for storage batteries	414/794.4	198/641; 414/789.1; 414/798.5	Kobayashi; Masaru et al.
US 5429035 A	19950704	Rodless cylinder with a speed control mechanism	91/26	91/405; 92/85B	Kaneko; Kunihiisa et al.
US 5428113 A	19950627	Piperazinylethylaminocarbonyl-containing butadiene-acrylonitrile copolymer and process for producing the same	525/329.3	525/375	Sakumoto; Yukinori et al.
US 5421297 A	19950606	Four-cycle engine	123/193.5	123/41.65; 123/41.69	Tamba; Shinichi et al.
US 5419916 A	19950530	Gelatin coating composition and hard gelatin capsule	424/456	424/451; 424/452; 424/453; 424/460; 424/478; 424/492; 514/962	Yamamoto; Taizo et al.
US 5416357 A	19950516	Semiconductor integrated circuit device	257/536	257/516; 257/533; 257/537; 257/540; 257/E27.047	Kobayashi; Masato et al.
US 5415965 A	19950516	Electrophotographic toner containing a vinyl resin and process for producing same	430/109.3	430/111.4	Tsuda; Jun et al.
US 5414925 A	19950516	Mechanism for inserting wired terminals into connector housing	29/748	29/759	Nishide; Yutaka et al.
US 5411571 A	19950502	Hard sintered alloy having fine pores and process for preparing the same	75/232	428/547; 428/550; 428/552; 428/565; 75/235; 75/236; 75/239; 75/240;	Kobayashi; Masaki et al.

				159/DIG.28; 202/267.1; 210/500.23; 210/500.27; 47/48.5	
US 5522509 A	19960604	Method for sorting tableware of restaurant, tableware used for the same method, adjusting apparatus and tableware sorting apparatus	209/3.3	209/524; 209/583	Shimamura; Chikara et al.
US 5517294 A	19960514	Image-forming machine equipped with cleaning means	399/351		Ogiri; Tadakazu et al.
US 5514257 A	19960507	Method for forming Ti-tin laminates	204/192.17	204/192.12; 204/192.15; 204/298.2; 204/298.25	Kobayashi; Masahiko et al.
US 5512628 A	19960430	Adhesive tape for electronic parts and liquid adhesive	524/530	525/282	Sakumoto; Yukinori et al.
US 5510189 A	19960423	Adhesive tape for electronic parts and liquid adhesive	428/447	428/343; 428/451	Sakumoto; Yukinori et al.
US 5509558 A	19960423	Metal oxide resistor, power resistor, and power circuit breaker	218/143	252/502; 252/503; 252/506; 338/20; 338/21; 338/225	Imai; Motomasa et al.
US 5509113 A	19960416	Image producing apparatus	345/442		Takakura; Masaki et al.
US D368468 S	19960402	Data entry machine	D14/388		Kobayashi; Masahiko
US 5503923 A	19960402	Molded sandwich article	428/324	428/515; 428/516; 428/517	Goto; Masaomi et al.
US 5500915 A	19960319	Optical fiber terminal pitted with optical isolator	385/78	372/703; 385/33; 385/73	Iwatsuka; Shinji et al.
US 5500294 A	19960319	Adhesive tape for electronic parts and liquid adhesive	428/355N	428/355BL; 428/355CN; 524/188; 524/236; 524/252; 525/101; 525/102; 525/254; 525/259;	Sakumoto; Yukinori et al.



				75/241; 75/242; 75/243; 75/244; 75/246	
US 5410487 A	19950425	Dynamic error correcting apparatus for inertial navigation	701/220	701/221; 73/178R	Okayama; Hiroshi et al.
US 5404255 A	19950404	Disk apparatus and its control method	360/78.09	360/77.04; 360/78.05; 360/78.07	Kobayashi; Masahito et al.
US 5402420 A	19950328	Communication unit having non-destructive arbitration function	370/212	340/825.5; 370/448; 370/517	Kobayashi; Masayuki
US 5402272 A	19950328	Digital signal magnetic recording/reproducing apparatus using amplitude phase shift keying and frequency-multiplexing	360/39	360/24; 360/29; 360/40	Nakatsu; Etsuto et al.
US 5395452 A	19950307	Apparatus made of silica for semiconductor device fabrication	118/715	118/726; 118/728	Kobayashi; Masanori et al.
US 5393255 A	19950228	Method of inspection for cathode-ray tube component members and apparatus used for embodying the same	445/3	445/63	Hisaoka; Yasushi et al.
US 5390626 A	19950221	Process for formation of silicon carbide film	117/84	117/88; 117/89; 117/935; 118/715; 427/249.15; 438/483	Nagasawa; Hiroyuki et al.
US 5389860 A	19950214	Focus control circuit for CRT	315/382	348/345	Kobayashi; Masaki et al.
US 5389380 A	19950214	Sustained release pharmaceutical preparation and process for preparing the same	424/490	424/489; 424/498	Noda; Kazuo et al.
US 5388001 A	19950207	Polarization-independent optical wavelength filter with simplified structure	359/629	372/6; 385/4	Okayama; Hideaki et al.
US 5382620 A	19950117	Resin composition	524/491	524/490; 525/191; 525/240	Nagase; Yasushi et al.
US 5381693 A	19950117	Ultrasonic imaging apparatus with synthesized focus and setting range markings	73/614	600/441; 600/444; 73/629	Kobayashi; Masaki et al.
US	19941213	Apparatus for measuring length	356/634	250/559.26	Kobayashi;

5373363 A		of article transported on conveyor			Masaaki
US 5373191 A	19941213	Semiconductor device and method of producing the same	257/773	257/192; 257/194; 257/280; 257/284; 257/506; 257/616; 257/E21.387; 257/E21.407; 257/E21.449; 257/E21.452; 257/E21.453; 257/E21.507; 257/E21.697; 257/E23.019; 257/E29.321	Usagawa; Toshiyuki et al.
US 5368783 A	19941129	Negative-working radiation-sensitive resist composition	252/600	430/278.1; 430/325	Kobayashi; Masakazu et al.
US 5367231 A	19941122	Display system	315/383	348/327; 348/380	Kobayashi; Masaki et al.
US 5359689 A	19941025	Optical fiber terminal fitted with optical isolator and method of assembling the same	385/73	385/33	Iwatsuka; Shinji et al.
US 5355390 A	19941011	Communication apparatus for transmitting and receiving communication signals through common transmission line	375/257	370/277; 370/499; 455/3.01	Yamamoto; Kiyoshi et al.
US 5347762 A	19940920	Lens periphery processing apparatus, method for obtaining processing data, and lens periphery processing method	451/5	451/256	Shibata; Ryoji et al.
US 5347759 A	19940920	Door lower molding	49/496.1	49/475.1; 49/490.1	Kobayashi; Masao et al.
US 5346958 A	19940913	Curable coating compositions containing polystyrene microparticles	525/124	427/407.1; 428/357; 428/500; 428/502; 525/123; 525/162; 525/194; 525/328.8; 525/329.2; 525/329.5; 525/330.1; 525/330.3;	Yukawa; Yoshiyuki et al.

				525/330.5; 525/333.3; 525/333.6; 525/374; 525/379	
US 5342213 A	19940830	IC socket	439/268	439/259	Kobayashi; Masahiko
US 5340460 A	19940823	Vacuum processing equipment	204/298.09	156/345.27; 204/298.03; 204/298.32	Kobayashi; Masahiko et al.
US 5338792 A	19940816	Heat-resistant overwrap film from 4-methyl-1-pentene and isobutylene and 1-butene	524/477	428/411.1; 525/191	Nagase; Yasushi et al.
US 5335125 A	19940802	Video signal magnetic recording and reproducing apparatus	386/67	386/112; 386/123; 386/124; 386/92	Nakatsu; Etsuto et al.
US 5334999 A	19940802	Device for preparing ink jet recording head with channels containing energy generating elements	347/65	29/890.1; 347/45; 430/320	Kashiwazaki; Akio et al.
US 5321885 A	19940621	Method and apparatus for manufacturing printed wiring boards	29/832	209/573; 29/33P; 29/564; 29/564.1; 29/840; 414/806	Hino; Toshikatsu et al.
US 5319467 A	19940607	Video tape recorder for recording a video signal with an additional time-base reference signal	386/16	348/505; 386/20	Takeuchi; Akihiro et al.
US 5319432 A	19940607	Sheet delivery mechanism	399/124	271/229; 271/245; 271/256; 399/195	Akashi; Masakatsu et al.
US 5315350 A	19940524	Image forming apparatus provided with a controller for fixing roller heater	399/69	219/216	Hirobe; Junichi et al.
US 5304898 A	19940419	High voltage generating circuit	315/411	348/377; 348/730	Kataoka; Rieko et al.
US 5304405 A	19940419	Thin film deposition method and apparatus	427/534	134/1.1; 216/37; 216/67; 257/E21.226; 427/309; 427/535	Kobayashi; Masahiko et al.

US 5302802 A	19940412	Laser robot and method of controlling same, and light beam deflector and control signal generator therefor	219/121.78	219/121.74; 219/121.8	Fujinaga; Shigeki et al.
US 5300166 A	19940405	Apparatus for manufacturing a web and method	156/160	156/163; 156/164; 156/229; 156/359; 156/516; 156/543; 156/559	Aihara; Kintaro et al.
US 5299003 A	19940329	Signal processing apparatus for changing the frequency characteristics of an input signal	348/607	386/93	Ochi; Atsuo et al.
US 5296022 A	19940322	Ink-jet recording method and apparatus employing ink containing halogenated alkanol with 2 to 4 carbon atoms	347/87	106/31.58; 347/100	Kobayashi; Masatsune et al.
US 5291085 A	19940301	Split-phase starter for an electric motor	310/68C	318/791; 361/24; 361/27	Kawashima; Uehito et al.
US 5290377 A	19940301	Method for producing reticular nonwoven fabric	156/229	156/160; 156/164; 156/254; 156/259; 156/263; 156/303	Aihara; Kintaro et al.
US 5289202 A	19940222	Magnetic recording apparatus and magnetic recording medium with a film to be vertically magnetized sandwiched with soft magnetic films	346/74.3	360/131	Yamane; Haruki et al.
US 5280514 A	19940118	X-ray phototaking apparatus	378/187	378/173; 378/174	Tago; Akira et al.
US 5269518 A	19931214	Grip-weighted putter	473/297	473/340	Kobayashi; Masashi et al.
US 5264190 A	19931123	Liquid phase epitaxial film growth apparatus	422/254	118/415; 118/421; 257/E21.464	Kobayashi; Masatosi et al.
US 5259097 A	19931109	Stretching machine	26/92	26/106; 26/90	Aihara; Kintaro et al.
US 5258066 A	19931102	Ink containing halogenated alkanol with 2 to 4 carbon atoms, recording method and	106/31.58		Kobayashi; Masatsune et al.

		apparatus using the same			
US 5256285 A	19931026	Filter container with double construction	210/234	210/235; 210/238; 210/440; 210/443; 210/445; 210/450; 210/453; 210/455	Tomita; Yoji et al.
US 5255127 A	19931019	Digital modulated signal demodulator/decoder apparatus	360/29	360/32; 360/39	Nakatsu; Etsuto et al.
US 5252356 A	19931012	Method of producing transparent zinc oxide films	427/126.3	427/108; 427/110; 427/168; 427/226; 427/419.3	Yoshida; Gohei et al.
US 5248938 A	19930928	Inductance type rotational position sensor including a magnetic core having fixed and movable short rings	324/207.16	310/68B; 324/207.25; 336/45	Kobayashi; Masaki et al.
US 5248729 A	19930928	Process for preparing thermoplastic resin composition	525/92B	524/505; 525/197; 525/92F; 525/941; 525/98	Inoue; Toshio et al.
US RE34378 E	19930914	Light emitting device with improved electrode structure to minimize short circuiting	372/46.01	257/99; 372/45.01	Sawai; Masaaki et al.
US 5245147 A	19930914	Push button switch	200/520	200/293; 200/333	Kobayashi; Masato
US 5243162 A	19930907	Transparent touch switch	200/512	200/5A; 200/514	Kobayashi; Masakazu
US 5233479 A	19930803	Apparatus for demodulating and decoding multi-level amplitude modulation signal conveying digital data	360/29	360/46	Nakatsu; Etsuto et al.
US 5224656 A	19930706	Method of and apparatus for producing a granular product	241/21	241/188.2; 241/277	Kobayashi; Masaru et al.
US 5223350 A	19930629	Mold material for molding of an optical part and process for producing the same	428/697	106/38.9; 428/698; 428/699; 428/701; 428/702	Kobayashi; Masaki et al.
US 5221768 A	19930622	Process for the production of deuterated acid or deuterated methacrylic acid	562/598		Kato; Masaaki et al.

US 5217113 A	19930608	Golf bag with transparent panel	206/315.3	206/315.4	Kobayashi; Masashi
US 5214477 A	19930525	Image forming apparatus having a toner density detecting device	399/27	399/284; 399/285	Hirobe; Junichi et al.
US 5206696 A	19930427	Image forming apparatus provided with a movable document table	399/377	355/75	Hirobe; Junichi et al.
US 5206421 A	19930427	Method for producing 4- hydroxybutyl (meth)acrylate	560/224	560/205	Sato; Toshihiro et al.
US 5202129 A	19930413	Process for micronizing slightly-soluble drug	424/489	424/451; 424/464; 424/47	Samejima; Masayoshi et al.
US 5195354 A	19930323	Cam crank mechanism and motor driven hydraulic tool	72/453.03	29/751; 417/415; 72/452.5; 72/453.16	Yasui; Tadashi et al.
US 5189564 A	19930223	Magnetic recording/reproducing method and apparatus	360/32	386/39	Amada; Nobutaka et al.
US 5184593 A	19930209	Flow control valve	123/568.24	251/129.11	Kobayashi; Masahiro
US 5181087 A	19930119	Semiconductor device and method of producing the same	257/194	257/280; 257/284; 257/E21.387; 257/E21.407; 257/E21.449; 257/E21.452; 257/E21.453; 257/E21.507; 257/E21.697; 257/E23.019; 257/E29.321	Usagawa; Toshiyuki et al.
US 5176756 A	19930105	Method for fabricating a semiconductor device including a step for cleaning a semiconductor substrate	134/2	134/1.3; 134/19; 216/99; 257/E21.228	Nakashima; Kazushi et al.
US 5167883 A	19921201	Method for reducing the quantity of siloxane oligomer in organopolysiloxane moldings	264/28	264/344; 264/83; 264/85	Takemasa; Takao et al.
US 5161598 A	19921110	Method of controlling mold pressure pin for press casting machine	164/120	164/4.1	Iwamoto; Norihiko et al.
US 5159666 A	19921027	Apparatus and a method for enlarging dot matrix data	345/671	382/298	Fukuda; Kunio et al.
US	19921027	Process for preparing	524/525	524/505;	Inoue; Toshio et

5159016 A		thermoplastic resin composition		524/528; 525/164; 525/177; 525/184; 525/193; 525/194; 525/211; 525/227; 525/232; 525/237; 525/238; 525/240; 525/331.7; 525/332.5; 525/92B; 525/92F; 525/92K; 525/98	al.
US 5155252 A	19921013	Material for dentistry	560/190	523/116; 523/118; 526/316; 526/320; 526/321; 560/205	Yamamoto; Naoki et al.
US 5153331 A	19921006	6-epithioethyl-3-oxatricyclo [3.2.1.0.sup.2.4 ] octane and process for preparation thereof	549/90	549/1; 549/545	Ikai; Keizo et al.
US 5137993 A	19920811	Radical polymerizable composition	525/540	252/500	Kobayashi; Masao et al.
US 5137733 A	19920811	Controlled release pharmaceutical preparation	424/497	424/490; 424/494; 424/495; 514/963	Noda; Kazuo et al.
US 5135904 A	19920804	Adsorbent composition for malodorous gases	502/402	423/622; 502/400; 502/414; 95/136; 95/141	Kamiya; Kazuo et al.
US 5132891 A	19920721	Power supply apparatus	363/21.05	348/730; 363/97	Kobayashi; Masaki et al.
US 5130862 A	19920714	Coding apparatus for converting digital signals into ternary signals whose DC component is equal to zero	360/40	375/291	Kobayashi; Masaaki et al.
US 5130270 A	19920714	Hetero-epitaxial liquid phase growth method	117/57	117/957; 148/DIG.101;	Kobayashi; Masatoshi et al.

				257/E21.464	
US 5124861 A	19920623	Digital signal magnetic recording and playback apparatus employing quadrature amplitude modulation	360/39	360/65; 375/364	Shimotashiro; Masafumi et al.
US 5122830 A	19920616	Image recording apparatus having front/rear sheet face sensor	355/408	355/132; 355/68	Imaeda; Kanae et al.
US 5119243 A	19920602	Digital signal magnetic recording/reproducing apparatus	360/46	360/30	Shimazaki; Hiroaki et al.
US 5113719 A	19920519	Engine load responsive line pressure control arrangement for automatic automotive transmission	477/163	477/158	Suzuki; Yutaka et al.
US 5111681 A	19920512	Motor driven hydraulic tool	72/453.03	29/751; 417/415; 72/452.5; 72/453.15; 72/453.16	Yasui; Tadashi et al.
US 5108253 A	19920428	Hydraulic piping structure for a backhoe	414/694	414/918	Kobayashi; Masahiko et al.
US 5105997 A	19920421	Filling nozzle having a tube holding portion for holding a rubber tube	222/494	222/571; 222/574; 222/575; 239/570; 239/DIG.12	Wakabayashi; Shigeru et al.
US 5103694 A	19920414	Line pressure control arrangement for automotive automatic transmission	477/162	477/160; 701/66	Kobayashi; Masayuki et al.
US 5102985 A	19920407	Process for the formation of intramolecular disulfide bridge in a polypeptide	530/311	530/324; 530/345; 530/351	Niwa; Mineo et al.
US 5102230 A	19920407	Thermal environment sensor with means to estimate the wind velocity	374/109	236/68B; 374/142; 374/164; 73/204.19	Kobayashi; Masahiro et al.
US 5100840 A	19920331	Method of preparing a briquette batch	501/27	106/772; 501/154; 501/155; 501/28; 501/29; 501/31; 501/70	Urabe; Yuichi et al.
US 5097628 A	19920324	Valve operating structure	74/471R	74/471XY	Kobayashi; Masahiko



US 5095392 A	19920310	Digital signal magnetic recording/reproducing apparatus using multi-level QAM modulation and maximum likelihood decoding	360/40	360/32	Shimazaki; Hiroaki et al.
US 5094982 A	19920310	Lead frame and method of producing electronic components using such improved lead frame	29/827	257/E23.043; 438/123	Suzuki; Toshiaki et al.
US 5090132 A	19920225	Method and apparatus for freeze drying	34/302	34/92	Kobayashi; Masakazu et al.
US 5090001 A	19920218	Information recording/reproducing apparatus	369/44.28	369/30.17; 369/44.27; 369/44.29	Ito; Kenichi et al.
US 5078156 A	19920107	Method and apparatus for producing sheet tobacco	131/374	131/357; 131/370; 131/372	Furuya; Norio et al.
US 5071749 A	19911210	Glycopeptide antibiotic PA-45052-B	530/317	435/71.3; 530/322	Kondo; Eiji et al.
US 5062007 A	19911029	Digital signal magnetic recording/reproducing apparatus	360/29	360/46	Nakatsu; Etsuto et al.
US 5051688 A	19910924	Crossed coil meter driving device having a plurality of input parameters	324/143	324/140R; 324/160; 324/167	Murase; Hiroshi et al.
US 5045763 A	19910903	Motor-control device for image forming apparatus	318/270	318/7; 358/497	Kobayashi; Masanari et al.
US 5045637 A	19910903	Magnetic shielding material	174/35MS		Sato; Takashi et al.
US 5045404 A	19910903	Heat-resistant stainless steel foil for catalyst-carrier of combustion exhaust gas purifiers	428/606	148/325; 420/40; 420/62	Ohmura; Keiichi et al.
US 5045383 A	19910903	Thermosensitive image transfer recording medium	428/32.8	428/32.83; 428/336; 428/423.1; 428/475.5; 428/480; 428/500; 428/522; 428/913; 428/914	Maeda; Mitsuru et al.
US 5044768 A	19910903	Thermal environment sensor with means to estimate the wind velocity	374/109	236/68B; 374/164; 600/549	Kobayashi; Masahiro et al.
US	19910820	Image recording apparatus	355/408	355/51;	Kobayashi;

5041863 A		which prohibits starting of a recording operation until completion of photosensitive recording medium adjustment		399/77	Masanari et al.
US 5040166 A	19910813	Magneto-optical recording medium having a reflective film of Ag and Mn or Ag, Mn and Sn	369/275.2	360/131; 369/13.35; 369/288; 428/823.2	Kobayashi; Masanobu et al.
US 5034955 A	19910723	Superluminescent diode	372/45.01	257/13; 257/94; 257/E33.054; 372/108	Kashima; Yasumasa et al.
US 5034558 A	19910723	Process for purifying methyl methacrylate	560/218		Yoshioka; Teruhiko et al.
US 5031654 A	19910716	Fluid passage valve and medical instrument using same	137/192	604/127; 604/254	Kobayashi; Masahiko
US 5030056 A	19910709	Substrate transfer device	414/749.1	414/156; 414/416.03; 414/935; 901/8	Kitayama; Hirofumi et al.
US 5027983 A	19910702	Apparatus for filling specified amount of liquid	222/309	137/542; 141/258; 222/497; 239/533.1; 239/570; 239/574	Wakabayashi; Shigeru et al.
US 5027156 A	19910625	Seal structure for a chamber means containing a developer material	399/106	222/DIG.1	Kobayashi; Masahiko
US 5022936 A	19910611	Method for improving property of weld of austenitic stainless steel	148/525	148/529; 148/565; 148/903	Tsujimura; Hiroshi et al.
US 5019524 A	19910528	Method of manufacturing a heterojunction bipolar transistor	438/318	148/DIG.10; 148/DIG.72; 148/DIG.84; 257/E21.387; 257/E29.044; 257/E29.189; 438/320	Mitani; Katsuhiko et al.
US 5016883 A	19910521	Golf club heads and fabrication process thereof	473/347	473/348; 473/349	Kobayashi; Masashi
US 5013323 A	19910507	Implant material for replacing hard tissue of living body	623/23.56	501/1	Kobayashi; Masahiro et al.
US 5009762 A	19910423	Magneto-optical recording medium having protective film with increased kerr effect and	204/192.16	204/192.2	Maeno; Yoshinori et al.

		improved protection characteristic and manufacturing method of the same			
US 5005075 A	19910402	X-ray mask and method of manufacturing an X-ray mask	378/35	204/192.37; 216/12; 216/38; 216/99; 430/5	Kobayashi; Masato et al.
US 5004619 A	19910402	Production method of forming solid state food material completely wrapped and sealed in a clayish state food material	426/297	426/512; 426/516	Kobayashi; Masao
US 4999666 A	19910312	Image forming apparatus having drive control unit	355/401	355/68; 355/69	Kuwabara; Satoru et al.
US 4995431 A	19910226	Apparatus for filling specified amount of liquid	141/116	141/250; 222/494; 239/570	Wakabayashi; Shigeru et al.
US D314767 S	19910219	Combined tape player and tuner	D14/163	D14/165	Yamamoto; Kazuharu et al.
US 4994928 A	19910219	Frequency demodulation circuit	360/30	386/46; 386/93	Honjo; Masahiro et al.
US 4992742 A	19910212	Charged-particle distribution measuring apparatus	324/71.3	324/71.1	Okuda; Soichiro et al.
US 4992533 A	19910212	Sulfated oligosaccharides and derivatives thereof	536/4.1	536/17.2; 536/17.5; 536/17.6; 536/17.9; 536/54	Kobayashi; Masanori et al.
US 4990907 A	19910205	Method and apparatus for data transfer	340/825.5	340/825.2; 340/825.51; 370/438	Jikihara; Masami et al.
US 4985592 A	19910115	Process for the preparation of unsaturated carboxylic acids	562/534	502/209; 562/536	Ishii; Hiromichi et al.
US 4984050 A	19910108	Gate-array type intergated circuit semiconductor device	257/210	257/369; 257/659; 257/903; 257/906; 257/E27.106; 326/101	Kobayashi; Masaharu
US 4984009 A	19910108	Imaging device having means to accurately superpose sheets in the developing process	355/406	355/100; 355/106	Makino; Kazumasa et al.
US 4983548 A	19910108	Method of fabricating a semiconductor device including removal of electric charges	438/800	134/4; 148/DIG.17; 438/974	Uno; Masaaki et al.

US 4982770 A	19910108	Apparatus for filling specified amount of liquid	141/258	141/260; 222/510	Saijo; Yoshihiro et al.
US 4979745 A	19901225	Electric apparatus for use when practicing a golf swing	473/222		Kobayashi; Masashi
US 4979052 A	19901218	Digital signal magnetic recording/reproducing apparatus	360/32	360/40	Matsuta; Toyohiko et al.
US 4979046 A	19901218	Magnetic recording and reproducing apparatus for recording upper-sidebond-eliminated FM signal	386/26	386/21	Aki; Shinichi et al.
US D312824 S	19901211	Television receiver	D14/126		Kobayashi; Masaharu
US 4977442 A	19901211	Lead frame and method of producing electronic components using such improved lead frame	257/670	140/105; 257/667; 257/676; 257/E23.043	Suzuki; Toshiaki et al.
US 4975752 A	19901204	Light-emitting diode	257/84	257/85; 257/97; 257/E33.007; 372/46.012; 372/50.1	Kashima; Yasumasa et al.
US 4972272 A	19901120	Multi-channel video tape recorder/player having multiple pairs of video heads	386/26	360/64; 386/23	Morioka; Yoshihiro et al.
US 4972116 A	19901120	Light source display tube	313/422	313/497	Tatsuda; Kazunori et al.
US 4969014 A	19901106	Document platen movement control device for an electrophotographic copying machine	399/209	355/75	Kobayashi; Masahiko
US 4966542 A	19901030	Apparatus for the formation of a shaped food product	425/307	425/308	Kobayashi; Masao
US D311538 S	19901023	Tape player	D14/165	D14/188	Kobayashi; Masahiko
US 4963365 A	19901016	Controlled release dosage form	424/461	424/462; 424/493; 424/494; 424/495; 424/497	Samejima; Masayoshi et al.
US 4962158 A	19901009	Radical polymerizable composition containing a compound having pi-electron conjugated structure	525/279	252/500; 522/118; 522/119; 525/284;	Kobayashi; Masao et al.

				525/286; 526/256; 526/258; 526/270; 526/72	
US D310667 S	19900918	Combined tape player and tuner	D14/163	D14/188	Kobayashi; Masahiko et al.
US 4956773 A	19900911	System and method of generating a source program from inputted schematic information	717/104	715/967	Saito; Kazumasa et al.
US D310366 S	19900904	Portable radio telephone	D14/138	D14/148	Akaike; Kazuo et al.
US D310221 S	19900828	Tape player	D14/165	D14/188	Kobayashi; Masahiko
US 4950547 A	19900821	Magneto-optical recording medium having protective film with increased Kerr effect and improved protection characteristic and manufacturing method of the same	428/471	428/697; 428/702; 428/824.3	Maeno; Yoshinori et al.
US 4948482 A	19900814	Method for forming silicon nitride film	204/192.23		Kobayashi; Masato et al.
US 4944893 A	19900731	Remover solution for resist	510/176	134/38; 510/412; 510/414; 510/461; 510/505	Tanaka; Hatsuyuki et al.
US 4944874 A	19900731	Centrifugal separator	210/232	209/288; 209/379; 210/370; 210/380.1; 210/484; 210/489; 210/490; 210/497.01; 494/45	Kobayashi; Masaru et al.
US 4937686 A	19900626	Method and apparatus for PCM recording and reproducing an audio signal having an asynchronous relation between the sampling frequency for the	360/32		Arai; Takao et al.□

		audio signal and the rotation frequency of a rotary head scanner			
US 4933106 A	19900612	Highly conductive polymer composition and process for producing the same	252/500	205/419	Sakai; Toshiyuki et al.
US 4928185 A	19900522	Rotary head type recording/reproducing method and apparatus for recording and reproducing a digital audio signal	386/100	360/32; 370/503; 386/104	Kobayashi; Masaharu et al.
US D307909 S	19900515	Front panel for a compact disc player	D14/258		Dobies; Mark A. et al.
US 4916548 A	19900410	Video tape recorder for recording/reproducing two-channel component color video signals	386/109	360/23; 386/33	Morioka; Yoshihiro et al.
US 4913435 A	19900403	Golf club and a set of golf clubs	473/242		Kobayashi; Masashi
US 4912574 A	19900327	Apparatus for recording digital signal	360/60	360/66	Kobayashi; Masaharu et al.
US 4908729 A	19900313	Lightning arrester monitor	361/118	324/537; 361/131	Yoshioka; Takeo et al.
US 4905104 A	19900227	Rotary head type digital signal recording and/or reproducing apparatus for recording and/or reproducing with a variable speed	360/70	360/32; 360/64; 360/73.05; 360/8	Okamoto; Hiroo et al.
US 4901819 A	19900220	Lubrication device for vertical crank shaft engine	184/6.18	123/196W; 184/31; 416/237	Tamba; Shinichi et al.
US 4900999 A	19900213	Control system for reciprocating linear motion or intermittent motion devices	318/687	141/1; 141/18; 318/466; 318/482	Shibata; Masato et al.
US 4893056 A	19900109	Fluorescent display apparatus	313/495	313/497	Hara; Zenichiro et al.
US 4891347 A	19900102	Process for the preparation of catalyst used in the production of unsaturated carboxylic acids	502/206	502/209; 502/211; 562/532; 562/535	Oh-Kita; Motomu et al.
US 4890932 A	19900102	Thermal environment sensor with means to simulate emissivity of human body	374/109	236/44E; 374/9; 702/130; 702/131; 702/134	Kobayashi; Masahiro et al.

US 4890840 A	19900102	Wood-type golf club head for number one golf club	473/344		Kobayashi; Masashi
US 4890584 A	19900102	Engine having vertical crankshaft	123/41.7	123/195C; 123/41.66	Tamba; Shinichi et al.
US 4888491 A	19891219	Device for measuring angular deviation of flat plate	250/559.37	250/230	Kobayashi; Masaki et al.
US 4886641 A	19891212	Electrical contact spring material made of copper base alloy of high strength and toughness with reduced anisotropy in characteristics	420/470	420/477; 420/481; 420/484; 420/487; 420/488; 420/490; 420/492; 439/887	Iwamura; Takuro et al.
US 4883775 A	19891128	Process for cleaning and protecting semiconductor substrates	134/4	257/E21.224; 257/E21.228; 438/800; 438/974	Kobayashi; Masanori
US 4881429 A	19891121	Shift control arrangement for automatic transmission	477/138	477/155	Kobayashi; Masayuki et al.
US 4879726 A	19891107	Spread spectrum communications system	375/130		Kobayashi; Masaki et al.
US 4878528 A	19891107	Electric blind	160/168.1R	160/178.1R; 160/178.1V; 160/902; 248/262	Kobayashi; Masanori
US 4877535 A	19891031	Iron dispersant for boiler water	210/701	252/180; 525/218; 526/307	Kobayashi; Kenji et al.
US 4874890 A	19891017	Process for the production of deuterated methyl acrylate or deuterated methyl methacrylate	560/256	560/255; 560/5; 562/403; 568/326; 568/373; 568/439; 568/445; 568/633; 568/665; 568/714	Kato; Masaaki et al.
US 4873583 A	19891010	Magnetic tape recording/reproducing apparatus	386/35	360/18; 360/61	Kobayashi; Masaaki et al.
US 4873391 A	19891010	Process for producing isobutylene	585/639	585/640	Inoue; Kazutaka et al.
US 4872445 A	19891010	Cooking utensil	126/376.1	220/753; 220/756;	Kobayashi; Hiroshi et al.

				220/759; 220/772; 99/447	
US 4872048 A	19891003	Semiconductor device having copper alloy leads	257/741	257/677; 257/762; 257/E23.053; 420/469; 420/473; 420/477; 420/479; 420/492	Akutsu; Hidetoshi et al.
US 4871993 A	19891003	Self-diagnostic apparatus for vehicle meter	340/439	324/74; 340/444; 340/461; 340/515; 340/635; 340/653; 340/688	Hayashi; Takatoshi et al.
US 4871174 A	19891003	Golf club	473/252	473/313	Kobayashi; Masashi
US 4868775 A	19890919	Adaptive digital filter	708/322		Kobayashi; Masaki et al.
US 4867789 A	19890919	Flocculant purification of ink	106/31.32	534/793; 534/836; 534/872; 534/887; 540/140	Eida; Tsuyoshi et al.
US 4864424 A	19890905	Video signal recording/reproducing apparatus	386/23	360/22; 360/30; 360/61; 386/45	Ochi; Atsuo et al.
US 4864421 A	19890905	System for connecting a video signal recording/reproducing apparatus and a television receiver	386/44	348/706	Morioka; Yoshihiro et al.
US 4861816 A	19890829	Polyvinyl chloride resin composition for powder molding	524/204	524/396; 524/397; 524/399; 524/401; 524/436; 524/437; 524/567	Kobayashi; Masanori et al.
US 4854842 A	19890808	Production apparatus to form the solid state food material completely wrapped and sealed with the clayish state food	425/133.1	425/145; 425/168; 425/178; 425/287;	Kobayashi; Masao



		material into globular shape		425/296; 425/305.1; 425/308	
US 4854583 A	19890808	Construction of portion connecting golf club-head and golf club shaft	473/312	403/292	Kobayashi; Masashi
US 4852407 A	19890801	Method and apparatus for determining length of pipe utilizing sound waves	73/597	367/903	Komine; Isamu et al.
US 4852036 A	19890725	Adaptive digital filter and an echo canceler incorporating the same	708/322	379/406.09	Kobayashi; Masaki
US 4844832 A	19890704	Containing an arylsulfonic acid, a phenol and a naphalenic solvent	510/176	134/3; 134/38; 430/329; 430/331; 510/407; 510/414; 510/461; 510/505	Kobayashi; Masakazu et al.
US 4841037 A	19890620	Amino sulfonaphtholtrisazo compounds and recording liquids containing the same	534/815	106/2; 106/31.52; 534/582; 534/583; 534/678; 534/680; 534/687; 534/728; 534/806; 534/810; 534/811; 534/829; 534/832; 534/837; 534/876	Ohta; Tokuya et al.
US 4838555 A	19890613	Head of wood type golf club	473/327		Kobayashi; Masashi
US 4836550 A	19890606	Club head for an iron-type golf club	473/350		Kobayashi; Masashi
US 4831525 A	19890516	Method of generating a source program from inputted schematic information	717/107	707/100; 717/109	Saito; Kazumasa et al.
US 4830377 A	19890516	Golf club	473/224		Kobayashi; Masashi
US 4830086 A	19890516	Mold member and rapidly solidifying water cooled rotary roll member	164/418	164/428; 420/488	Kobayashi; Masao et al.

US 4825276 A	19890425	Integrated circuit semiconductor device having improved wiring structure	257/207	257/203; 257/211; 257/758; 257/E23.151; 257/E23.153	Kobayashi; Masaharu
US 4824998 A	19890425	Process for producing tau-butyl methacrylate	560/205		Inoue; Kazutaka et al.
US 4824762 A	19890425	Method for rinse treatment of a substrate	430/258	430/256; 430/325; 430/329; 430/331; 430/432; 430/463; 510/175; 510/176; 510/407; 510/499; 510/506; 510/513	Kobayashi; Masakazu et al.
US 4824110 A	19890425	Golf club head	473/332	473/347	Kobayashi; Masashi
US 4823207 A	19890418	PCM recording and playback with variable read and write speeds	360/32	360/51; 360/8; 386/104	Kobayashi; Masaharu et al.
US 4820573 A	19890411	Fiber glass mainly composed of calcium phosphate	442/301	501/1; 501/35; 501/45	Tagai; Hideo et al.
US 4819939 A	19890411	Grip for a golf club shaft	473/299	473/300; 473/549	Kobayashi; Masashi
US D300547 S	19890404	Golf club head	D21/748		Kobayashi; Masashi
US D300529 S	19890404	Radio receiver	D14/198		Kobayashi; Masaharu
US 4816603 A	19890328	Process for the production of methacrolein and methacrylic acid	562/538	502/205; 502/212; 502/215; 502/220; 502/242; 502/243; 502/307; 502/308; 502/310; 562/546; 568/471; 568/477	Oh-Kita; Motomu et al.

US 4812783 A	19890314	Phase locked loop circuit with quickly recoverable stability	331/20	331/1A; 331/25; 348/537; 348/546	Honjo; Masahiro et al.
US 4811950 A	19890314	Golf club head	473/335	473/337	Kobayashi; Masashi
US 4811949 A	19890314	Construction of a club-head for a golf club	473/337	473/338	Kobayashi; Masashi
US 4811261 A	19890307	Adaptive digital filter for determining a transfer equation of an unknown system	708/322	702/109	Kobayashi; Masaki et al.
US 4811119 A	19890307	Apparatus for high-density minimal crosstalk recording and reproducing of terminance and chrominance signals using a magnetic tape	386/23	360/22; 360/30; 360/61; 386/26	Kobayashi; Masaaki et al.
US 4811117 A	19890307	Video tape recorder for recording and reproducing two-channel component signals of a video signal on a magnetic tape using two pair of heads and alternately delayed signals	386/13	360/64; 386/22	Morioka; Yoshihiro et al.
US 4809982 A	19890307	Golf club head	473/327		Kobayashi; Masashi
US 4807050 A	19890221	Video signal recording/reproducing apparatus	386/1	348/609; 386/22	Takeuchi; Akihiro et al.
US 4803302 A	19890207	Process for the production of methacrylic acid	562/534	502/206; 502/209	Oh-Kita; Motomu et al.
US 4803030 A	19890207	Method of molding case for push-button switch	264/278	264/272.15; 264/277	Kobayashi; Masato
US 4802555 A	19890207	Oil supply system	184/15.1	184/55.1; 30/123.4	Matsunaga; Takao et al.
US 4802286 A	19890207	Method and apparatus for freeze drying	34/289	34/297; 34/92	Kobayashi; Masakazu et al.
US 4798384 A	19890117	Club-head	473/349		Kobayashi; Masashi
US 4796653 A	19890110	Method of enhancing residual compressive stress in double metallic tubes	148/526	137/340; 137/341; 165/64; 376/292; 976/DIG.171	Kobayashi; Masahiro et al.
US 4795242 A	19890103	Conducting substituted polyisothianaphthenes	359/265	205/419; 359/273; 528/377; 528/405;	Wudl; Fred et al.

				549/43; 549/58	
US 4794425 A	19881227	Overhead projector with a copying device	355/402	355/43; 355/45; 399/207	Sakai; Jun et al.
US 4787638 A	19881129	Golf ball	473/383		Kobayashi; Masashi
US 4785455 A	19881115	Light emitting device with improved electrode structure to minimize short circuiting	372/46.01	257/E33.065	Sawai; Masaaki et al.
US 4781113 A	19881101	Electric conduction printer	101/93.04	347/199	Yamamoto; Takemi et al.
US 4778525 A	19881018	Recording liquid	106/31.32	347/100	Kobayashi; Masatsune et al.
US 4777001 A	19881011	Extruding method	264/177.16	156/244.13; 264/177.17; 264/177.19; 264/209.4; 264/209.8; 264/563; 425/376.1; 425/461; 425/467	Kobayashi; Masao et al.
US 4773464 A	19880927	Actuator for electric blinds	160/168.1P	160/176.1R; 160/900	Kobayashi; Masanori
US 4772940 A	19880920	Polymer having isothianaphthene structure and electrochromic display	348/803	136/256; 136/263; 204/291; 429/111; 429/122; 429/128	Wudl; Fred et al.
US 4772922 A	19880920	Copying apparatus	355/32	399/159; 399/162	Kawahara; Hiroshi et al.
US 4765838 A	19880823	Water-soluble dye composition and recording liquid containing the same	106/31.52		Ohata; Tokuya et al.
US 4765634 A	19880823	Metal gasket for a cylinder head on an internal combustion engine	277/595		Kobayashi; Masaaki et al.
US 4762671 A	19880809	Injection device	376/316	134/113; 134/166R; 376/248; 376/260; 976/DIG.210; 976/DIG.265	Kobayashi; Masahiro et al.
US	19880809	Valve gear for four-cycle	123/90.6		Fujikawa;

4762094 A		engine			Tetsuzo et al.
US 4761690 A	19880802	Video tape recorder with particular format chrominance and luminance information	386/27		Yamanishi; Kazuhiro et al.
US 4760566 A	19880726	Method of controlling write operation for rotating type recording medium	369/47.23	360/60; 360/66; 369/100	Kobayashi; Masaaki et al.
US 4759648 A	19880726	Printing device for a well-aligned printing line	400/568	400/54	Kobayashi; Masanari et al.
US 4758907 A	19880719	Method and apparatus for recording and/or reproducing PCM signals	360/48	360/32	Okamoto; Hiroo et al.
US 4758903 A	19880719	Apparatus for recording and reproducing video signal and digital signal other than video signal	386/100	360/21; 360/30; 360/65; 375/283; 386/113	Noguchi; Takaharu et al.
US 4758902 A	19880719	PCM signal recording and reproducing apparatus including simultaneous error detection/correction	360/18	360/15; 360/32; 360/53; 714/771	Okamoto; Hiroo et al.
US 4756757 A	19880712	Recording liquid	106/31.27	106/31.57	Haruta; Masahiro et al.
US 4756665 A	19880712	Centrifugal compressor	415/175		Katayama; Kazuzo et al.
US 4754974 A	19880705	Golf club head	473/327		Kobayashi; Masashi
US 4754971 A	19880705	Golf club set	473/290		Kobayashi; Masashi
US 4754970 A	19880705	Golf club set	473/290		Kobayashi; Masashi
US 4754969 A	19880705	Set of golf clubs	473/290		Kobayashi; Masashi
US 4754145 A	19880628	Radiation image erase unit for use with stimuable phosphor sheet	250/588		Kobayashi; Masaaki
US 4749548 A	19880607	Copper alloy lead material for use in semiconductor device	420/469	257/E23.053; 420/473; 420/477; 420/478; 420/479; 420/480; 420/482; 420/489; 420/492; 420/495	Akutsu; Hidetoshi et al.

US 4749291 A	19880607	Inking system for wire dot matrix printer	400/124.1	400/471.1	Kobayashi; Masaru et al.
US 4747699 A	19880531	Thermal-environment sensor with means to simulate emissivity of human body	374/109	374/9	Kobayashi; Masahiro et al.
US 4745316 A	19880517	Submersible motor	310/87		Nakashima; Ryoichi et al.
US 4745156 A	19880517	Thermoplastic resin compositions	525/80	525/192; 525/211; 525/230; 525/238; 525/239; 525/75; 525/84; 525/86	Yoshihara; Masayuki et al.
US D295356 S	19880426	Microwave oven	D7/351		Nambu; Taiji et al.
US 4736647 A	19880412	Valve control structure for working vehicle	74/471XY	137/635; 137/636.2; 180/333; 180/334; 74/471R	Shimoie; Shizuo et al.
US 4735857 A	19880405	Fiber glass mainly composed of calcium phosphate	428/388	428/359; 428/361; 428/375; 428/378; 428/389; 501/35; 501/45	Tagai; Hideo et al.
US 4732613 A	19880322	Recording liquid	106/31.32	346/101; 347/100	Shioya; Makoto et al.
US 4732389 A	19880322	Golf club head	473/348		Kobayashi; Masashi
US 4729991 A	19880308	Cephem compounds	514/202	514/206; 540/222; 540/227; 540/228	Ueda; Ikuro et al.
US 4728105 A	19880301	Golf club head	473/348		Kobayashi; Masashi
US 4726800 A	19880223	Radio-controllable spherical toy vehicle	446/458	446/462; 473/570	Kobayashi; Masao
US 4724001 A	19880209	Disazoic dye and recording liquid containing the same	106/31.52	534/816	Ohta; Tokuya et al.
US 4720753 A	19880119	Auto tracking apparatus for scanning tracks with	360/77.15		Iwasaki; Yasuo et al.

		controllable head displacement			
US 4720515 A	19880119	Epoxy resin composition for encapsulating semiconductor	523/435	523/400; 525/476	Iji; Masatoshi et al.
US 4716567 A	19871229	Method of transmitting digital data in which error detection codes are dispersed using alternate delay times	714/753	714/804	Ito; Masahiro et al.
US 4715778 A	19871229	Centrifugal compressor	415/104	415/182.1; 415/199.1; 415/201	Katayama; Kazuso et al.
US 4712104 A	19871208	Remote control blind system	340/825.52	160/310; 160/DIG.17; 340/825.69; 340/825.72; 49/357	Kobayashi; Masahiko
US 4708587 A	19871124	Centrifugal compressor	415/104		Katayama; Kazuso et al.
US 4708347 A	19871124	Club-head	473/338		Kobayashi; Masashi
US 4707460 A	19871117	Method for regenerating phosphorus-molybdenum-alkali containing oxidation catalyst	502/26	502/211; 502/24; 562/535	Ishii; Kazuhiro et al.
US 4706969 A	19871117	Floating ring device for sealing shaft of turbo machine	277/362	277/399; 277/408	Mouri; Yasushi et al.
US 4704640 A	19871103	Method and apparatus for recording PCM signal	360/32	360/48; 714/761	Okamoto; Hiroo et al.
US 4704639 A	19871103	Video signal reproduction apparatus	386/26	386/25	Yamanishi; Kazuhiro et al.
US 4703046 A	19871027	Cephem compounds and processes for preparation thereof	514/202	540/222	Ueda; Ikuo et al.
US 4699383 A	19871013	Club-head	473/348		Kobayashi; Masashi
US 4698550 A	19871006	Hollow cathode lamp	313/618	313/632	Kobayashi; Masayasu et al.
US 4697987 A	19871006	Rotary machine having an impeller with a sleeve fixedly mounted to a shaft	416/204A	416/198A; 416/244A	Katayama; Kazuzo et al.
US 4693932 A	19870915	Oriented polyester film	428/323	428/329; 428/330; 428/331; 428/480; 428/847.7; 428/900; 428/910; 523/220;	Kuze; Katsuaki et al.

				524/425; 524/605	
US 4692927 A	19870908	Light emitting device with improved electrode structure to minimize short circuiting	372/46.014	257/E33.065	Sawai; Masaaki et al.
US 4692663 A	19870908	Fluorescent display tube for light source	313/495		Kobayashi; Masaaki et al.
US 4691258 A	19870901	Temperature compensating mechanism for positioning of a magnetic head of a magnetic disk drive	360/77.02	360/97.02	Kobayashi; Masashi et al.
US 4690408 A	19870901	Club-head	473/349		Kobayashi; Masashi
US 4685004 A	19870804	Rotary head type PCM recording and reproduction method and system	360/32	360/48	Takahashi; Hiroaki et al.
US 4683002 A	19870728	Liquid composition and method for recording	106/31.32	347/100	Mirua; Konoe et al.
US 4682504 A	19870728	Device for measuring a stiffness of a golf-club shaft	73/854	73/794	Kobayashi; Masashi
US 4682332 A	19870721	Method and apparatus for recording digital signals	714/755	360/32	Okamoto; Hiroo et al.
US 4680552 A	19870714	Apparatus for measuring impurities in super-pure water without exposure to surrounding atmosphere	324/439	324/450; 324/71.4	Shirato; Kozo et al.
US 4677622 A	19870630	Error correction method and system	714/756		Okamoto; Hiroo et al.
US 4677397 A	19870630	Quartz crystal oscillator with crystal supported on spring	331/187	310/351	Nakayama; Iwao et al.
US 4677056 A	19870630	Monoclonal antibody subsetting human helper and killer T-cells and method	435/7.24	435/29; 435/343.2; 435/70.21; 435/948; 530/388.7; 530/388.73; 530/388.75	Dupont; Bo et al.
US 4670796 A	19870602	Rotary head type PCM recorder	386/39	360/32; 386/21	Kobayashi; Masaharu et al.
US 4665832 A	19870519	Vehicle transfer system	104/165	104/48; 198/468.1; 198/468.6	Kobayashi; Masafumi et al.
US 4661158 A	19870428	Recording liquid	106/31.48	106/31.32; 106/31.43; 106/31.46; 106/31.58;	Kobayashi; Masatsune et al.



				347/100; 534/617; 534/797	
US 4660200 A	19870421	Method and apparatus for processing an error flag of a PCM signal	714/755	714/752	Okamoto; Hiroo et al.
US 4659764 A	19870421	Polyvinyl chloride resin compositions for molding	524/399	524/400; 524/436; 524/567	Isao; Matsuura et al.
US 4658101 A	19870414	Sliding-type dip switch	200/16R	200/16D; 200/548; 200/551; 200/6B	Akimoto; Takashi et al.
US 4656494 A	19870407	Avalanche multiplication photodiode having a buried structure	257/186	257/441; 257/461; 257/551; 257/E31.038; 257/E31.064	Kobayashi; Masahiro et al.
US 4655835 A	19870407	Process for evaluating the solubility of a colorant	106/31.27	106/31.57; 106/31.58; 252/408.1; 435/32	Haruta; Masahiro et al.
US 4655834 A	19870407	Recording process	347/100	106/31.46; 106/31.58	Haruta; Masahiro et al.
US 4654506 A	19870331	Method and apparatus for detecting and regulating position of welding electron beam	219/121.26	219/121.27; 219/121.3; 250/397	Sakamoto; Masahiko et al.
US 4652364 A	19870324	Apparatus for adjusting the concentration of a solution	210/87	210/188; 210/321.8	Shirato; Kozo et al.
US 4652347 A	19870324	Process for electroplating amorphous alloys	205/213	205/216; 205/219; 228/209; 428/935	Kobayashi; Masami
US 4649542 A	19870310	Digital signal transmission method providing high error correction capability	714/755	714/756; 714/758	Nishimura; Keizo et al.
US 4649005 A	19870310	Method for producing a liquid silicone rubber base	264/101	264/102; 264/176.1; 264/349; 425/203; 425/204; 524/266; 524/860	Kobayashi; Masaru et al.
US 4646301 A	19870224	Decoding method and system for doubly-encoded Reed-	714/755		Okamoto; Hiroo et al.

		Solomon codes			
US 4646170 A	19870224	Method and apparatus for recording and reproducing a digital signal with a stationary head	360/22	360/32; 360/39; 360/48; 714/771	Kobayashi; Masaharu et al.
US 4640748 A	19870203	Polyisothianaphtene, a new conducting polymer	528/378	205/316; 205/419; 205/50; 528/379; 528/380; 528/395; 528/403	Wudl; Fred et al.
US 4632703 A	19861230	Recording liquid	106/31.46	106/31.58	Koike; Shoji et al.
US 4629994 A	19861216	FM demodulator	329/327	329/336	Shimotashiro; Masafumi et al.
US 4627875 A	19861209	Recording liquid	106/31.49	106/31.57; 106/31.58	Kobayashi; Masatsune et al.
US 4626284 A	19861202	Recording liquid	106/31.52	534/829; 534/836	Ohta; Tokuya et al.
US 4623940 A	19861118	Magnetic reproducing apparatus	386/72	360/64; 386/74	Matsumoto; Tokikazu et al.
US 4622600 A	19861111	Rotary-head type PCM data recording/reproducing method and apparatus with a redundancy-reduced control data format	360/32	360/48; 360/49	Okamoto; Hiroo et al.
US 4621985 A	19861111	High vacuum apparatus	417/250	417/540	Kobayashi; Masao et al.
US 4620292 A	19861028	Arithmetic logic unit for floating point data and/or fixed point data	708/501	341/50; 708/209; 708/503; 708/505	Hagiwara; Yoshimune et al.
US 4618014 A	19861021	Weight measuring apparatus of vibration type	177/210FP	177/185	Kobayashi; Masaaki
US 4617599 A	19861014	PCM signal recording/reproducing apparatus	360/32	360/51	Noguchi; Takaharu et al.
US 4616872 A	19861014	Earth moving vehicle	296/190.11	180/89.12; 296/97.22	Akira; Takashima et al.
US 4614934 A	19860930	Digital-to-analog converter device for processing PCM signals of different sampling frequencies	341/144	327/91	Kobayashi; Masaharu et al.
US 4613577 A	19860923	Fiber glass mainly composed of calcium phosphate	501/35	428/364	Tagai; Hideo et al.

US 4611335 A	19860909	Digital data synchronizing circuit	375/360	327/23; 327/261; 327/44; 375/351	Arai; Takao et al.
US 4611252 A	19860909	Video tape recorder	386/74	360/70; 360/73.05; 360/73.06; 360/73.08; 386/80	Igata; Kouichi et al.
US 4611231 A	19860909	Signal processing apparatus for a video signal	348/613	348/723; 375/296; 381/106; 381/14; 386/93	Kobayashi; Masaaki
US 4609093 A	19860902	Hanger conveyance in automobile assembly line	198/378	198/474.1; 198/680; 29/430	Taketani; Toshinobu et al.
US 4601470 A	19860722	Roulette gaming apparatus having electro-magnetic apparatus for driving a ball	273/142E	273/138.2	Kadota; Otomatsu et al.
US 4600952 A	19860715	Helical scan video tape recorder with auxiliary heads for blur free high speed reproduction pictures	386/74	360/64	Igata; Kouichi et al.
US 4599112 A	19860708	Recording liquid	106/31.46	347/100; 540/131; 540/139	Yokoyama; Yasumasa et al.
US D284298 S	19860617	Golf club grip	D21/756		Kobayashi; Masashi
US 4595715 A	19860617	Oriented polyester film containing calcium carbonate and kaolinite	523/181	428/338; 428/480; 428/847.7; 523/220; 524/425; 524/447; 524/605; 528/272; 528/275; 528/308.1; 528/308.3	Kuze; Katsuaki et al.
US 4594497 A	19860610	Image processing welding control method	219/130.21	219/124.34; 318/577	Takahashi; Youichi et al.
US 4594446 A	19860610	2-alkoxyimino-3,3-dialkoxy-butyrate and derivatives	560/168	549/347; 549/373; 549/451;	Ueda; Ikuo et al.

				549/510; 549/511; 556/418; 560/121; 560/123; 560/124; 560/125; 560/145	
US 4592006 A	19860527	Adder for floating point data suitable for digital signal processing	708/505	708/209	Hagiwara; Yoshimune et al.
US 4590524 A	19860520	Multitrack PCM reproducing apparatus	360/65	360/32	Okamoto; Hiroo et al.
US 4590523 A	19860520	Control of auto-tracking in tracking-error correcting system of video recording/reproducing apparatus	386/78	360/77.13; 360/77.16	Honjo; Masahiro et al.
US 4588488 A	19860513	Method of removing oxide on metal surface	205/714		Sumita; Osao et al.
US 4586480 A	19860506	Electronically controlled distributor type fuel injection pump	123/506	123/458; 123/503; 417/494	Kobayashi; Masayoshi et al.
US 4577319 A	19860318	Error flag processor	714/765		Takeuchi; Takashi et al.
US 4576784 A	19860318	Water sparger for a boiling water reactor	376/352	137/592; 376/377; 976/DIG.22	Kobayashi; Masahiro
US 4574008 A	19860304	Apparatus for mounting an electron gun assembly within the glass neck of a cathode ray tube	65/155	65/42; 65/57; 65/58	Kobayashi; Masahiro
US 4570153 A	19860211	Signal conversion apparatus for use in PCM signal processing system	341/155	327/91; 370/464	Kobayashi; Masaharu et al.
US 4568133 A	19860204	Connector socket	439/108	439/181; 439/607	Amano; Katsutoshi et al.
US 4565268 A	19860121	Clutch brake mechanism for lawn mower	477/171	192/17R; 56/11.3	Yamamoto; Masaru et al.
US 4562549 A	19851231	Digital player using a pulse width detector	702/79	327/100; 327/172; 327/31; 360/74.4; 386/124; 388/811; 388/912; 388/916	Tanaka; Hiromichi et al.

US 4557761 A	19851210	Recording liquid	106/31.48	106/31.52; 260/DIG.38; 534/583; 534/637; 534/728; 534/827; 534/829; 534/830; 534/832; 534/834; 534/837	Kobayashi; Masatsune et al.
US 4547871 A	19851015	Two dimensional actuator for moving optical medium of scanning device	369/44.16	250/201.5; 369/44.14	Sugiyama; Toshio et al.
US 4544858 A	19851001	Piezoelectric mechanism for converting weight into frequency	310/321	177/210FP; 177/DIG.11; 310/323.21; 310/338	Nishiguchi; Yuzuru et al.
US 4541747 A	19850917	Motor drive control circuit to restrict motor temperature rise below an upper limit	400/144.2	310/53; 388/809; 388/907.5; 388/915; 388/934; 400/320; 400/719	Imaizumi; Mamoru et al.
US 4534010 A	19850806	Floating point type multiplier circuit with compensation for over-flow and under-flow in multiplication of numbers in two's compliment representation	708/503	708/235; 708/498	Kobayashi; Masahito et al.
US 4518774 A	19850521	3-Cephem intermediates	540/222	540/215	Ueda; Ikuo et al.
US 4517244 A	19850514	Recording medium and ink jet recording paper	428/342	162/134; 162/135	Kobayashi; Masatsune et al.
US 4514477 A	19850430	Cassette-type power unit for a motor toy	429/98	429/123; 429/99; 446/456; 446/462	Kobayashi; Masao
US 4511990 A	19850416	Digital processor with floating point multiplier and adder suitable for digital signal processing	708/501	708/204; 708/209; 708/503; 708/505	Hagiwara; Yoshimune et al.
US 4505749 A	19850319	Method of forming color images	106/31.27	347/100	Kanekiyo; Kazue et al.
US	19850312	Rotor shaft of steam turbine	428/683	148/529;	Yoshioka;

4504554 A				428/684	Takatoshi et al.
US D277221 S	19850115	Golf club head	D21/752		Kobayashi; Masashi
US 4489945 A	19841225	All-metallic golf club head	473/346		Kobayashi; Masashi
US 4489352 A	19841218	Video tape recording/reproducing apparatus having an auto tracking function	386/72	310/332; 386/78	Kobayashi; Masaaki et al.
US 4487378 A	19841211	Coreless toilet paper roll and method for manufacture thereof	242/160.1	242/520; 242/613.2	Kobayashi; Masashi
US 4476629 A	19841016	Method and apparatus for producing wire harness	29/863	29/564.4	Suzuki; Yoshitsugu et al.
US 4476500 A	19841009	Tracking apparatus	386/81	360/78.02; 386/78	Isaka; Takenobu et al.
US 4467622 A	19840828	Auger-type icemaker	62/354	264/123; 425/380	Takahashi; Shigeyuki et al.
US 4464503 A	19840807	Porous particulate polyvinyl chloride impregnated with alkyl vinyl and alkyl methacrylate polymers	524/425	524/533; 525/309; 525/311	Ushioda; Minoru et al.
US 4463179 A	19840731	1H-1,2,3-triazol-5-ylthio ester of N-carbobenzyloxy-p- hydroxyphenylglycine	548/255	540/226; 548/136; 548/151	Murakami; Masahiro et al.
US 4462057 A	19840724	A.C. Switching circuit	361/2	361/3; 361/7	Kobayashi; Masato et al.
US 4461168 A	19840724	Hydrogen embrittlement tester	73/87	73/851	Kobayashi; Masami
US 4458060 A	19840703	Cross-linked vinyl chloride polymer	526/292.3	526/313	Yamane; Kazumasa et al.
US 4456754 A	19840626	Process for the preparation of cephalosporin derivatives using thioesters	540/221	540/226; 540/227	Murakami; Masahiro et al.
US 4455407 A	19840619	Vinyl chloride copolymer and composition containing the same	525/208	525/222; 525/227; 525/231; 525/239	Yamane; Kazumasa et al.
US 4454652 A	19840619	Method of processing end portions of covered wires	29/863	29/564.4; 29/753; 81/9.51	Suzuki; Yoshitsugu et al.
US 4454323 A	19840612	1-Methyltetrazol-5-ylthio ester of cyanomethylthioacetic acid	548/251		Murakami; Masahiro et al.
US 4443852 A	19840417	Control apparatus for internal combustion engine	701/101	123/350; 123/357; 477/54	Kobayashi; Masayoshi et al.

US 4442424 A	19840410	Method and system for displaying vehicle operating parameters in a variable format	340/462	340/521; 340/691.6; 345/618; 374/144; 701/114	Shirasaki; Shinji et al.
US 4440053 A	19840403	Wire-laying head	83/282	140/93R; 29/564.6; 29/861; 83/580; 83/87	Suzuki; Yoshitsugu et al.
US 4436861 A	19840313	Polyvinyl chloride containing alkyl acrylate and alkyl methacrylate sequentially polymerized thereon	524/425	524/533; 525/228; 525/309	Ushioda; Minoru et al.
US 4435717 A	19840306	Liquid jet recording process and recording liquid therefor	347/100		Eida; Tsuyoshi et al.
US 4433479 A	19840228	Method of making a wire harness	29/825	29/564.6; 29/755	Suzuki; Yoshitsugu et al.
US 4426702 A	19840117	Semiconductor laser device	372/45.01	372/46.01; 438/40	Yamashita; Shigeo et al.
US 4426666 A	19840117	Video signal recording/reproducing apparatus	386/74	360/64	Kobayashi; Masaaki et al.
US 4426162 A	19840117	Rotor shaft	384/280	384/295	Tsuchiya; Keiichi et al.
US 4422906 A	19831227	Process for direct gold plating of stainless steel	205/218	205/219; 205/266; 205/268	Kobayashi; Masami
US 4421621 A	19831220	Quartz crystal oscillator	204/192.12	204/192.1; 310/344; 310/361; 310/370; 427/123; 427/124; 427/125; 427/69	Fujii; Hiroyuki et al.
US 4420775 A	19831213	Circuit and method for protecting a horizontal synchronous signal	386/48	348/531	Yamazaki; Shigeru et al.
US 4417803 A	19831129	Pressure fixing device	399/339	100/171; 100/176; 430/124	Kobayashi; Masato et al.
US 4417047 A	19831122	Novel tetrazole-5-thiol ester and process for preparing cefamandole using same	540/226		Shibuya; Chisei et al.
US 4407140 A	19831004	Vacuum apparatus	62/268	34/92; 62/434; 62/519	Kobayashi; Masakazu

US 4401541 A	19830830	Apparatus for electroplating a strip of metal of relatively low electric conductivity	204/206	204/224R; 204/DIG.7	Kobayashi; Masami
US 4399278 A	19830816	3,7-Disubstituted-2 or 3-cephem-4-carboxylic acid compounds	540/222	540/215	Ueda; Ikuo et al.
US 4398881 A	19830816	Apparatus for forming soft food material into globular shape	425/235	425/297; 425/298; 425/307; 425/325; 425/332; 425/408	Kobayashi; Masao
US 4397284 A	19830809	Distribution type fuel injection pump	123/502	123/501	Kaibara; Nobuhiro et al.
US 4395987 A	19830802	Distribution type fuel injection apparatus	123/458	123/459; 123/503; 123/506	Kobayashi; Masayoshi et al.
US 4395741 A	19830726	Positionable element driving circuit	360/77.16	310/317	Kobayashi; Masaaki et al.
US 4395287 A	19830726	Liquid recording material	106/31.43	106/31.46; 106/31.58; 106/31.75; 106/31.76; 106/31.86; 346/100; 347/100	Kobayashi; Masatsune et al.
US 4394701 A	19830719	Recording time mode detector	386/51	360/27; 360/85; 377/20; 386/67; 386/68	Igata; Kouichi et al.
US 4393419 A	19830712	Synchronizing signal detection protective circuit	386/84		Arai; Takao et al.
US 4393417 A	19830712	Tracking system	386/79	360/70; 360/75; 386/82	Kobayashi; Masaaki et al.
US 4393416 A	19830712	Tracking system for a videotape recorder	386/79	360/77.13; 360/77.16	Takeuchi; Akihiro et al.
US 4391944 A	19830705	Vinyl chloride copolymer and composition containing the same	524/548	524/147; 524/296; 524/297; 524/314	Yamane; Kazumasa et al.
US 4391639 A	19830705	Recording liquid	106/31.52	106/31.58; 346/100; 347/100; 534/728;	Kobayashi; Masatsune



				534/730; 534/734	
US 4389686 A	19830621	Tracking apparatus for use in a video tape recorder	360/77.17	360/77.13; 386/78	Isaka; Takenobu et al.
US 4385977 A	19830531	Apparatus for electroplating a metal wire of relatively low electric conductivity	204/206		Kobayashi; Masami
US D268671 S	19830419	Video tape cassette	D14/477		Ohya; Toshio et al.
US 4380664 A	19830419	Process for producing unsaturated aldehydes, and unsaturated fatty acids	562/546	502/310; 562/534; 562/538; 568/471; 568/477	Ishii; Hiromichi et al.
US 4379922 A	19830412	Cephem compounds	540/215	540/222; 540/227; 540/229	Ueda; Ikuo et al.
US D267965 S	19830215	Iron club head	D21/748		Kobayashi; Masashi
US 4372266 A	19830208	Fuel injection apparatus for internal combustion engines	123/357	123/494	Hiyama; Yasuhiro et al.
US D267797 S	19830201	Video tape recorder	D14/135		Kobayashi; Masaharu et al.
US 4366796 A	19830104	Distribution type fuel injection pump	123/502	123/501	Kaibara; Nobuhiro et al.
US 4363903 A	19821214	Vinyl chloride copolymer and composition containing the same	526/273	526/336; 526/338	Yamane; Kazumasa et al.
US 4363165 A	19821214	Wire harness	29/564.8	29/56.6; 29/564.6; 29/566.3	Suzuki; Yoshitsugu et al.
US 4360962 A	19821130	Wire harness	29/564.4	29/56.6	Suzuki; Yoshitsugu et al.
US 4356049 A	19821026	Method of manufacturing an electret device	156/220	156/196; 29/886; 381/191; 428/156	Tamura; Sakae et al.
US 4354474 A	19821019	Fuel injection advance angle control apparatus	123/502	123/179.17; 123/501; 417/222.1; 417/462	Kobayashi; Masayoshi et al.
US 4354022 A	19821012	Process for preparing 3-methylenecepham compounds	540/228	540/215; 540/222;	Takaya; Takao et al.

		or a salt thereof		540/230	
US 4353222 A	19821012	Vacuum apparatus	62/268	62/275; 62/434; 62/519	Kobayashi; Masakazu
US 4351947 A	19820928	Tetrazole derivative	548/251	540/226	Shibuya; Chisei et al.
US 4349258 A	19820914	Manual focal point adjusting and change-over device for use in automatic focal point adjuster camera	396/103		Kitai; Kiyoshi et al.
US 4348653 A	19820907	Method and system for indicating automobile abnormal conditions	340/460	340/449; 374/144	Tsuzuki; Yoshihiko et al.
US 4342301 A	19820803	Distributor type fuel injection pump	123/502	123/364; 123/506	Tomita; Hitoshi et al.
US 4341900 A	19820727	Catalytic process for the preparation of unsaturated carboxylic acid	562/532	502/209; 502/211; 502/212; 562/534; 562/535; 562/536	Ishii; Hiromichi et al.
US D265494 S	19820720	Golf club head	D21/748		Kobayashi; Masashi
US 4333432 A	19820608	Fuel injection pump	123/366	123/373; 123/449	Kobayashi; Masayoshi et al.
US 4331280 A	19820525	Method of jointing pipes by friction welding	228/114.5		Terabayashi; Takao et al.
US D264488 S	19820518	Golf club head	D21/749		Kobayashi; Masashi
US 4327696 A	19820504	Fuel injection pump for internal combustion engines	123/506	123/449; 417/304	Kobayashi; Masayoshi et al.
US 4327211 A	19820427	Method for preparation of cephalosporin compounds	540/227	540/226	Murakami; Masahiro et al.
US 4327093 A	19820427	3,7-Disubstituted-2 or 3- cephem-4-carboxylic acid compounds	514/200	514/202; 540/222; 540/228	Ueda; Ikuo et al.
US D263980 S	19820420	Golf club head	D21/739		Kobayashi; Masashi
US 4316441 A	19820223	Fuel injection advance angle control apparatus	123/502	123/179.17	Sakuranaka; Toru et al.
US 4307557 A	19811229	Capping machine for application of sealing caps to bungs of liquid containers	53/131.3	53/131.4; 53/248; 53/307;	Shimizu; Isekazu et al.

				53/309	
US 4307413 A	19811222	Comb filter device	348/667	327/556; 327/557	Takeuchi; Akihiro et al.
US D262304 S	19811215	Golf club head	D21/743		Kobayashi; Masashi
US D262303 S	19811215	Golf club head	D21/743		Kobayashi; Masashi
US 4306245 A	19811215	Liquid jet device with cleaning protective means	347/33	347/108; 347/28; 347/31; 347/87	Kasugayama; Yukio et al.
US 4298529 A	19811103	Alkoxyimino dioxy butyric acid derivatives	549/451	540/222; 540/227; 540/228; 540/230; 549/373; 562/567	Ueda; Ikuo et al.
US 4293986 A	19811013	Method of making a quartz crystal oscillator	29/25.35	228/121; 228/198; 310/344; 310/370; 968/824; 968/DIG.1	Kobayashi; Masatoshi et al.
US 4293553 A	19811006	1-Phthalazone derivatives, and use thereof	514/248	544/235; 544/237	Ishikawa; Masayuki et al.
US 4289926 A	19810915	Transmitter for a telewriter	178/20.04		Kobayashi; Masahisa
US 4288284 A	19810908	Method of producing housing element for quartz crystal oscillator	216/97	216/41; 216/99; 968/824; 968/DIG.1	Kobayashi; Masatoshi et al.
US 4285575 A	19810825	Image display device	359/273	252/500; 252/600	Imataki; Hiroyuki et al.
US RE30670 E	19810707	Dry planographic printing plate	430/281.1	430/303; 430/512	Ezumi; Yuh et al.
US 4276295 A	19810630	3-Aromatic moiety substituted- 4(3H)-quinazolinones, process for production thereof, and use thereof	514/266.31	514/266.21; 514/266.24; 544/284; 544/287; 544/92; 560/103; 562/458	Ishikawa; Masayuki et al.
US	19810609	Method for manufacturing	201/6	201/21;	Kobayashi;

4272322 A		charcoals from paper sludge		201/25; 44/535; 44/589	Masahiro
US 4271808 A	19810609	Fuel injection pump for internal combustion engines	123/506	123/449; 417/304	Kobayashi; Masayoshi et al.
US 4271806 A	19810609	Distribution type fuel injection pump	123/502		Kaibara; Nobuhiro et al.
US 4271805 A	19810609	Fuel injection pump	123/459	123/506	Kobayashi; Masayoshi et al.
US 4268464 A	19810519	Electrostatic pinning of extruded polyamide film	264/469	264/28; 264/479; 425/174.8E	Yoshino; Yasutomi et al.
US 4262645 A	19810421	Injection timing control device for distributor-type fuel injection pump	123/502	123/179.17; 123/501	Kobayashi; Masayoshi et al.
US 4251558 A	19810217	Method of making granular bean paste	426/473	426/448; 426/459	Kobayashi; Masakazu et al.
US 4242699 A	19801230	Recording and reproducing apparatus for color video signals	386/25		Kobayashi; Masaaki et al.
US 4238770 A	19801209	Vertical synchronizing signal detector circuit	348/529	348/547	Kobayashi; Masaharu et al.
US 4230525 A	19801028	Process for improving qualities of paper	162/164.6	162/164.7; 162/168.3; 162/168.4; 162/168.7; 162/183	Yamaguchi; Hideo et al.
US 4224103 A	19800923	Bonding composition for incombustible fibrous materials	162/135	162/152; 162/155; 162/156; 162/157.1; 162/157.6; 162/159; 162/164.6; 162/164.7; 162/168.3; 162/168.4; 162/183; 162/184; 162/185; 427/389.8; 427/393.3	Yamaguchi; Hideo et al.
US 4220128 A	19800902	Distribution type fuel injection pump	123/366	123/449; 123/502	Kobayashi; Masayoshi
US 4219670 A	19800826	Process for producing unsaturated aldehydes and	562/546	568/477	Okada; Kazuya et al.

		unsaturated carboxylic acids			
US 4212518 A	19800715	Image display device	359/272	252/500; 252/600; 359/273	Imataki; Hiroyuki et al.
US 4211480 A	19800708	Electromagnetic shutter controlling device for camera	396/465	396/443; 396/472	Kitai; Kiyoshi et al.
US 4211203 A	19800708	Fuel injection pump	123/387	123/449; 123/496; 123/503; 123/505; 123/506	Kobayashi; Masayoshi
US 4199779 A	19800422	VIR-Signal processing circuitry for video tape recorder	386/25	348/605; 348/609; 386/22	Nagaoka; Yoshitomi et al.
US 4195007 A	19800325	Process for stabilizing aqueous solution of acrylic or methacrylic hydrazide polymers	524/428	524/436; 524/555	Kobayashi; Masahiro et al.
US 4187109 A	19800205	Strontium barium niobate single crystal doped with Ce	430/2	252/584; 252/62.9R; 346/134; 359/3	Megumi; Koichi et al.
US 4177574 A	19791211	Method and apparatus for granulating hydrated materials including food stuffs	34/385	34/92	Kobayashi; Masakazu et al.
US 4176325 A	19791127	Semiconductor laser device	372/45.01	372/46.01	Kajimura; Takashi et al.
US 4169444 A	19791002	Fuel injection apparatus	123/502		Kaibara; Nobuhiro et al.
US 4165296 A	19790821	Method for regenerating an oxidation catalyst	502/26	562/545; 568/476	Ishii; Hiromichi et al.
US 4157561 A	19790605	High power transistor	257/580	257/577; 257/583; 257/E29.03; 257/E29.114; 257/E29.176	Nawata; Yoshiaki et al.
US 4151542 A	19790424	Transistor	257/580	257/577; 257/E29.032; 257/E29.176; 257/E29.183	Yajima; Kazuo et al.
US 4143632 A	19790313	Fuel injection timing control device	123/502	123/179.17	Kobayashi; Masayoshi
US D251197 S	19790227	Focusing knob for binoculars	D16/133		Kobayashi; Masashi
US 4118419 A	19781003	Catalytic process for the preparation of an unsaturated	562/534	502/212; 562/535	Ishii; Kazuhiro et al.

		carboxylic acid			
US 4111985 A	19780905	Process for producing unsaturated aldehydes and unsaturated carboxylic acids	562/546	568/477; 585/626	Okada; Kazuya et al.
US 4111984 A	19780905	Process for producing unsaturated aldehydes, and unsaturated fatty acids	562/538	502/200; 502/201; 502/300; 502/310; 502/311; 562/546; 568/471; 568/477	Ishii; Hiromichi et al.
US 4089487 A	19780516	Apparatus for tape recorder	242/357	242/356.4; 360/74.2	Ichikawa; Hiroki et al.
US 4086093 A	19780425	Dry planographic printing plate	430/281.1	101/453; 101/459; 101/466; 430/302; 430/303; 430/327; 430/531; 430/935	Ezumi; Yuh et al.
US 4083220 A	19780411	Sub-zero temperature plastic working process for metal	72/364	148/577; 148/578; 72/700	Kobayashi; Masaru et al.
US 4051179 A	19770927	Catalytic process for the preparation of unsaturated carboxylic acids	562/535	502/209; 502/211	Sonobe; Hiroshi et al.
US 4050856 A	19770927	Dash pot arrangement for distribution-type fuel injection pump cut off barrel	417/289	123/503; 417/499	Kobayashi; Masayoshi et al.
US 4036193 A	19770719	Electronically controlled fuel injection pump	123/357	123/466; 417/289	Kobayashi; Masayoshi et al.
US 4035418 A	19770712	Process for producing unsaturated aldehydes and unsaturated carboxylic acids	562/538	502/215; 502/306; 502/307; 502/310; 502/315; 562/546; 568/471; 568/477; 585/621; 585/626	Okada; Kazuya et al.
US 4017154 A	19770412	Display device	359/238	345/33; 359/501; 368/227;	Kobayashi; Masanori

				968/162; 968/DIG.1	
US 4001280 A	19770104	Chromone derivatives	549/402	544/376; 548/159; 548/170; 548/180; 548/204; 548/207; 548/214; 548/241; 549/350; 549/362	Umio; Suminori et al.
US 3998876 A	19761221	Catalytic process for preparation of unsaturated carboxylic acids	562/535	502/200; 502/209; 502/211	Kato; Masaaki et al.
US 3993534 A	19761123	Method of producing single crystals of gadolinium molybdate family	117/3	117/13; 117/949; 264/346; 423/263; 423/593.1	Nagatuma; Kazuyuki et al.
US 3989021 A	19761102	Dash pot arrangement for distribution type fuel injection pump cut off barrel	123/503	123/466; 417/289	Kobayashi; Masayoshi et al.
US 3972920 A	19760803	Process for producing unsaturated aldehydes, unsaturated fatty acids or conjugated dienes	562/538	502/300; 502/308; 502/311; 502/315; 562/546; 568/471; 568/477; 585/626	Ishii; Hiromichi et al.
US 3968543 A	19760713	Rotary drafting apparatus	19/293	19/258	Shino; Masakazu et al.
US 3954856 A	19760504	Method for vapor-phase catalytic oxidation of tert.-butyl alcohol	562/538	502/211; 502/212; 502/215; 568/471	Kobayashi; Masao et al.
US 3954663 A	19760504	Process for the preparation of Limulina lysate	435/18	424/538; 435/13; 435/195; 514/263.34	Yamamoto; Masaaki et al.
US 3945166 A	19760323	Roof plate assembly	52/520	52/545; 52/547	Hosoda; Kiyoshi et al.
US 3934094 A	19760120	Frequency band converter	704/258	375/247; 455/323; 704/205;	Kobayashi; Masaharu et al.

				704/268	
US 3923826 A	19751202	Synthesis of 5-(beta-methylmercaptoethyl)-hydantoin	548/319.1		Namito; Yoshio et al.
US 3922843 A	19751202	Cyclometer clock	368/74	368/235; 968/164; 968/232; 968/DIG.1	Kobayashi; Masanori
US 3918025 A	19751104	Ultrasonic imaging apparatus for three-dimensional image display	367/110	367/102; 367/103; 367/7; 73/626	Koshikawa; Tsuneji et al.
US 3894873 A	19750715	Dry planographic printing plate	430/281.1	430/286.1; 430/303; 430/325; 430/905; 430/923; 522/107; 522/171; 522/173; 522/183; 522/48; 522/54; 522/57; 522/63	Kobayashi; Masaharu et al.
US 3894846 A	19750715	Method of producing single crystals of gadolinium molybdate family	117/3	117/13; 117/949; 23/293R; 23/305R; 23/305RE; 252/301.4R; 423/263	Nagatuma; Kazuyuki et al.
US 3893945 A	19750708	Catalyst composition for oxidation of butenes	502/212	502/210; 502/215	Kobayashi; Masao et al.
US 3866155 A	19750211	Attenuation pole type monolithic crystal filter	333/191	310/320	Kobayashi; Masaki et al.
US 3848655 A	19741119	METHOD OF MAKING A STEEL INGOT	164/123	164/125; 164/526; 249/197	Sato; Yasumasa et al.
US 3797469 A	19740319	DISTRIBUTOR-TYPE FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES	123/357	123/502	Kobayashi; Masayoshi et al.
US 3777731 A	19731211	FUEL INJECTION SYSTEM IN A DISTRIBUTOR-TYPE INJECTION PUMP FOR INTERNAL COMBUSTION	123/449	417/195; 417/198; 417/295	Kobayashi; Masayoshi et al.



		ENGINE			
US 3752589 A	19730814	METHOD AND APPARATUS FOR POSITIONING PATTERNS OF A PHOTOGRAPHIC MASK ON THE SURFACE OF A WAFER ON THE BASIS OF BACKSIDE PATTERNS OF THE WAFER	356/401	356/138; 356/397; 359/372	Kobayashi; Masaaki
US 3657871 A	19720425	METHOD AND APPARATUS FOR SPREADING OR DIVIDING YARN, TOW OR THE LIKE	57/90	28/282; 57/244; 57/309; 57/332; 57/352	Uchiyama; Sei et al.
US 3634759 A	19720111	FREQUENCY SPECTRUM ANALYZER WITH A REAL TIME DISPLAY DEVICE	324/76.22	324/76.19; 324/76.35; 704/276; 73/579; 73/659	Koshikawa; Tsuneji et al.
US 3628889 A	19711221	HYDRAULIC INJECTION TIME CONTROLLING DEVICE IN FUEL INJECTION PUMPS	417/221	123/502	Kobayashi; Masayoshi et al.
US 3611427 A	19711005	LONGTIME RECORDING CHART SET	346/137		Kobayashi; Masanori et al.
US 3597522 A	19710803	VIBRATION DAMPER FOR CONDUCTORS	174/12R	174/42; 188/268	Kobayashi; Masashi
US 3596278 A	19710727	RECORDING PAPER INDICATING MECHANISM	346/17	346/137	Kobayashi; Masanori
US 3589217 A	19710629	SHAVING MACHINE FOR A CRANK PIN	82/107		Kobayashi; Masaaki et al.
US 3546812 A	19701215	PROCESS FOR TREATING EXCREMENT BY MICROORGANISMS AND PRODUCTS OBTAINED THEREBY [TEXT AVAILABLE IN USOCR DATABASE]	47/1.4	210/602; 210/605; 210/612; 426/53; 48/209; 71/10; 71/12; 71/9	KOBAYASHI MICHIHARU et al.
US 3540529 A	19701117	WELDED ASSEMBLY OF A TUBE AND A TUBE SHEET [TEXT AVAILABLE IN USOCR DATABASE]	165/134.1	165/173; 165/178; 29/890.043	HORIUCHI TOSHIAKI et al.
US 3537254 A	19701103	LEVER TYPE MAINSPRING WINDING DEVICE FOR CLOCK [TEXT AVAILABLE IN USOCR DATABASE]	368/147	185/39; 368/309; 968/25; 968/DIG.1	KOBAYASHI MASANORI

US 3536819 A	19701027	ELECTRONIC MUSICAL INSTRUMENTS WITH SMALL TONE GENERATORS ADJACENT KEY SWITCHES [TEXT AVAILABLE IN USOCR DATABASE]	84/679	84/720; 984/344; 984/DIG.1	KURIYAGAWA MAMORU et al.
US 3532799 A	19701006	ELECTRONIC MUSICAL APPARATUS IMPROVED IN A MUSICAL TONE GENERATING CIRCUIT [TEXT AVAILABLE IN USOCR DATABASE]	84/675	84/695; 984/324; 984/DIG.1	KAMEOKA AKIO et al.
US 3522229 A	19700728	GLYCOPROTEIN FROM SALIVA OR SALIVARY GLANDS HAVING GASTRIC ACID SECRETION INHIBITORY AS WELL AS ANTI-ULCERATIVE ACTIVITY AND METHOD OF COLLECTING THE SAME [TEXT AVAILABLE IN USOCR DATABASE]	530/395	424/537; 424/550; 530/419; 530/420; 530/843; 530/854	KOBAYASHI MASAYOSHI et al.
US 3436662 A	19690401	CONTROL SYSTEM FOR DEACTIVATING REMOTE TAPE RECORDER IN ABSENCE OF AUDIO MODULATED SIGNAL [TEXT AVAILABLE IN USOCR DATABASE]	455/66.1	340/825.72; 360/69; 369/7; 455/344	KOBAYASHI MASANAGA